



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Robert Bentley
Governor of Alabama
State Capitol
600 Dexter Ave.
Montgomery, AL 36130

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Alabama to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Alabama), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Larry D. Dixon
Executive Director
Alabama Medical Licensure Commission

N. Genell Lee, MSN, RN, JD
Executive Officer
Alabama Board of Nursing

Susan Alverson, PharmD
Executive Secretary
Alabama Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Sean Parnell
Governor of Alaska
PO Box 110001
Juneau, AK 99811

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Alaska to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Alaska), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Debora Stovern
Executive Administrator
State Medical Board

Nancy Sanders, PhD, RN
Executive Administrator
Alaska Board of Nursing

Ms. Donna Bellino
Licensing Examiner
Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Janice K. Brewer
Governor of Arizona
Executive Tower
1700 West Washington St.
Phoenix, AZ 85007

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Arizona to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Arizona), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. C. Lloyd Vest, II
Executive Director
Arizona Medical Board

Joey Ridenour, RN, MN, FAAN
Executive Director
Arizona State Board of Nursing

Hal Wand, RPh, MBA
Executive Director
Arizona State Board of Pharmacy

Jenna Jones, CPM
Executive Director
Arizona Board of Osteopathic Examiners in Medicine and Surgery



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Mike Beebe
Governor of Arkansas
250 State Capitol
Little Rock, AR 72201

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Arkansas to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Arkansas), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

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medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Peggy Cryer
Executive Secretary
Arkansas State Medical Board

Sue Tedford, MNSc, APN, RN
Executive Director
Arkansas State Board of Nursing

John C. Kirtley, PD
Executive Director
Arkansas State Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Edmund G. Brown, Jr.
Governor of California
State Capitol
Suite 1173
Sacramento, CA 95814

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of California to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of California), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Kimberly Kirchmeyer
Executive Director
Medical Board of California

Louise Bailey, MEd, RN
Executive Officer
California Board of Registered Nursing

Ms. Virginia Herold
Executive Officer
California Board of Pharmacy

Ms. Angelina M. Burton
Executive Director
Osteopathic Medical Board of California



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable John Hickenlooper
Governor of Colorado
136 State Capitol
Denver, CO 80203

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Colorado to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Colorado), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Karen McGovern
Program Director
Colorado Medical Board

Georgia Roberts, Esq.
Program Director
Board of Nursing

Mr. Chris M. Gassen
Program Director
State Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Dannel P. Malloy
Governor of Connecticut
State Capitol
210 Capitol Ave.
Hartford, CT 06106

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Connecticut to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Connecticut), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

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medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Catherine Emmett
Chair of the Board
Connecticut Medical Examining Board

Patricia Bouffard, RN
Chairperson
Board of Examiners for Nursing

Ms. Heather Hoynes
Board Administrator
The Commission of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Jack Markell
Governor of Delaware
150 Martin Luther King Jr. Blvd., S.
2nd Floor
Dover, DE 19901

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Delaware to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Delaware), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

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medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Shauna Slaughter
Executive Director
Board of Medical Licensure and Discipline

Pamela Zickafoose, EdD, RN, NE-BC, CNE
Executive Director
Board of Nursing

Mr. David W. Dryden
Executive Secretary
Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Vincent C. Gray
Mayor of the District of Columbia
1350 Pennsylvania Ave., NW
Suite 316
Washington, DC 20004

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the District of Columbia to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states, the Commonwealth of Puerto Rico, and the District of Columbia:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

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medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Jacqueline A. Watson, DO, MBA
Executive Director
Board of Medicine

Karen Scipio-Skinner, MSN, RN
Executive Director
Board of Nursing

Ms. Patricia D'Antonio
Executive Director
Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Rick Scott
Governor of Florida
The Capitol
400 South Monroe St.
Tallahassee, FL 32399

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Florida to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Florida), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

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I-14-2

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An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Allison M. Dudley, JD
Executive Director
Florida Board of Medicine

Mr. Joe Baker, Jr.
Executive Director
Florida Board of Nursing

Mr. Patrick Kennedy
Executive Director
Florida Board of Pharmacy

Ms. Christy Robinson
Acting Executive Director
Florida Board of Osteopathic Medicine



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Nathan Deal
Governor of Georgia
206 Washington St.
111 State Capitol
Atlanta, GA 30334

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Georgia to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Georgia), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

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medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

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Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: LaSharn Hughes, MBA
Executive Director
Georgia Composite Medical Board

Jim Cleghorn, MA
Executive Director
Georgia Board of Nursing

Ms. Tanja Battle
Executive Director
Georgia Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Neil Abercrombie
Governor of Hawaii
Executive Chambers
State Capitol
Honolulu, HI 96813

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Hawaii to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Hawaii), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Constance Cabral
Executive Officer
Professional and Vocational Licensing, Medical and Osteopathy

Ms. Lee Ann Teshima
Executive Officer
Professional and Vocational Licensing, Nursing

Ms. Lee Ann Teshima
Executive Officer
Professional and Vocational Licensing, Pharmacy and Pharmacist



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable C.L. “Butch” Otter
Governor of Idaho
State Capitol
PO Box 83720
Boise, ID 83720

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Idaho to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Idaho), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Nancy M. Kerr, RN, Med
Executive Director
Idaho State Board of Medicine

Sandra Evans, MAEd, RN
Executive Director
Idaho State Board of Nursing

Mr. Mark D. Johnston
Executive Director
Idaho State Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Pat Quinn
Governor of Illinois
Office of the Governor
207 State House
Springfield, IL 62706

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Illinois to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Illinois), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Jay Stewart
Director of Licensing
Illinois Division of Professional Regulation

Michele Bloomberg, MSN, APN
Nursing Coordinator
Illinois Board of Nursing

Mr. Robert Gerton
Executive Director
Illinois Financial & Professional Regulation



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Mike Pence
Governor of Indiana
206 State House
Indianapolis, IN 46204

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Indiana to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Indiana), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Michael Minglin, JD
Board Director
Medical Licensing Board of Indiana

Ms. Elizabeth Kiefner Crawford
Board Director
Indiana State Board of Nursing

Mr. Robert Kendall
Executive Director
Indiana Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Terry Branstad
Governor of Iowa
1007 East Grand Ave.
Des Moines, IA 50319

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Iowa to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Iowa), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Mark Bowden
Executive Director
Iowa Board of Medicine

Kathleen Weinberg, RN, MSN
Executive Director
Iowa Board of Nursing

Mr. Lloyd K. Jessen
Executive Director
Iowa Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Sam Brownback
Governor of Kansas
Capitol
300 SW 10th Ave.
Topeka, KS 66612

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Kansas to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Kansas), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Kathleen J. Selzler Lippert, JD
Executive Director
Kansas Board of Healing Arts

Mary Blubaugh, MSN, RN
Executive Administrator
Kansas Board of Nursing

Ms. Debra L. Billingsley
Executive Secretary
Kansas Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Steve Beshear
Governor of Kentucky
700 Capitol Ave.
Frankfort, KY 40601

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the Commonwealth of Kentucky to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the Commonwealth of Kentucky), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Michael Rodman
Executive Director
Kentucky Board of Medical Licensure

Paula Schenk, MPH, RN
Executive Director
Kentucky Board of Nursing

Mr. Michael A. Burlison
Executive Director
Kentucky Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Bobby Jindal
Governor of Louisiana
PO Box 94004
Baton Rouge, LA 70804

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Louisiana to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Louisiana), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Cecilia A. Mouton, MD
Executive Director
Louisiana State Board of Medical Examiners

Karen C. Lyon, PhD, RN, ACNS, NEA
Executive Director
Louisiana State Board of Nursing

Mr. Malcolm J. Broussard
Executive Director
Louisiana Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Paul R. LePage
Governor of Maine
1 State House Station
Augusta, ME 04333

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Maine to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Maine), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Randal C. Manning, MBA, CMBE
Executive Director
Board of Licensure in Medicine

Myra Broadway, JD, MS, RN
Executive Director
Maine State Board of Nursing

Ms. Geraldine L. Betts
Board Administrator
Board of Pharmacy

Ms. Susan E. Strout
Executive Secretary
Maine Board of Osteopathic Licensure



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Martin O'Malley
Governor of Maryland
State House
100 State Circle
Annapolis, MD 21401

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Maryland to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Maryland), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Christine A. Farrelly
Executive Director
Maryland Board of Physicians

Ms. Mary Kay Goetter
Executive Director
Maryland Board of Nursing

Ms. La Verne George Naesea
Executive Director
Maryland Pharmacy Board



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Deval Patrick
Governor of Massachusetts
State House
Room 105
Boston, MA 02133

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the Commonwealth of Massachusetts to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the Commonwealth of Massachusetts), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Barbara A. Piselli, JD
Interim Executive Director
Board of Registration in Medicine

Rula Faris Harb, MS, RN
Executive Director
Board of Registration in Nursing

Mr. David Sencabaugh
Executive Director
Board of Registration in Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Rick Snyder
Governor of Michigan
PO Box 30013
Lansing, MI 48909

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Michigan to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Michigan), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Carole Engle
Director Bureau of Health Care Services
Michigan Board of Medicine

Ms. Norene Lind
Board Manager
Michigan Board of Nursing

Ms. Carole Engle
Director, Bureau of Health Care Services
Michigan Board of Pharmacy

Mr. Joseph E. Campbell
Enforcement Division Director
Michigan Board of Osteopathic Medicine and Surgery



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Mark Dayton
Governor of Minnesota
130 State Capitol
75 Rev. Dr. Martin Luther King, Jr., Blvd.
St. Paul, MN 55155

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Minnesota to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Minnesota), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Robert A. Leach, JD
Executive Director
Minnesota Board of Medical Practice

Shirley Brekken, MS, RN
Executive Director
Minnesota Board of Nursing

Cody Wiberg, PharmD, MS, RPH
Executive Director
Minnesota Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Phil Bryant
Governor of Mississippi
PO Box 139
Jackson, MS 39205

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Mississippi to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Mississippi), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: H. Vann Craig, MD
Executive Director
Mississippi State Board of Medical Licensure

Lynn Langley, DNP, FNP-BC, ANP-BC
Executive Director
Mississippi Board of Nursing

Mr. Frank Gammill
Executive Director
Mississippi Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Jay Nixon
Governor of Missouri
PO Box 720
Jefferson City, MO 65102

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Missouri to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Missouri), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Connie Clarkston
Executive Director
Missouri Board of Registration for the Healing Arts

Lori Scheidt, MBA-HCM
Executive Director
Missouri Board of Nursing

Ms. Kimberly Grinston
Executive Director
Missouri Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Steve Bullock
Governor of Montana
Office of the Governor
PO Box 200801
Helena, MT 59620

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Montana to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Montana), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Ian Marquand
Executive Officer
Montana Board of Medical Examiners

Cynthia Gustafson, PhD
RN Executive Officer
Montana Board of Nursing

Marcie Bough, PharmD
Executive Officer
Montana Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Dave Heineman
Governor of Nebraska
Office of the Governor
PO Box 94848
Lincoln, NE 68509

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Nebraska to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Nebraska), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Becky Wisell
Program Manager
Board of Medicine and Surgery

Ms. Karen Bowen
Program Manager
Board of Nursing

Ms. Becky Wisell
Program Manager
Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Brian Sandoval
Governor of Nevada
State Capitol Building
101 North Carson St.
Carson City, NV 89701

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Nevada to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Nevada), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Douglas D. Cooper, CMBI
Executive Director
Nevada State Board of Medical Examiners

Debra Scott, MSN, RN, FRE
Executive Director
Nevada State Board of Nursing

Mr. Larry L. Pinson
Executive Secretary
Nevada State Board of Pharmacy

Barbara E. Longo, CMBI
Executive Director
Nevada State Board of Osteopathic Medicine



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Maggie Hassan
Governor of New Hampshire
State House
107 North Main St.
Concord, NH 03301

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of New Hampshire to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of New Hampshire), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Sarah Blodgett
Executive Director
New Hampshire Board of Medicine

Denise Nies, MSN, RN, BC
Executive Director
New Hampshire Board of Nursing

Mr. Jason R. Richard
Business Administrator
Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Chris Christie
Governor of New Jersey
Office of the Governor
PO Box 001
Trenton, NJ 08625

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of New Jersey to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of New Jersey), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: William V. Roeder, JD
Executive Director
State Board of Medical Examiners

Mr. George Hebert
Executive Director
Board of Nursing

Mr. Anthony Rubinaccio
Executive Director
Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 22, 2014

In reply refer to: I-14-1 and -2

The Honorable Susana Martinez
Governor of New Mexico
490 Old Santa Fe Trail
Room 400
Santa Fe, NM 87501

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of New Mexico to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of New Mexico), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Linn Hart
Medical Director
New Mexico Medical Board

Dr. Nancy Darbro
Executive Director
New Mexico Board of Nursing

Larry Loring, RPh
Executive Director
Pharmacy Board

Ms. Martha L. Gallegos
Board Administrator
New Mexico Board of Osteopathic Medical Examiners



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Andrew Cuomo
Governor of New York
State Capitol
Albany, NY 12224

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of New York to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of New York), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Stephen Boese
Executive Secretary
State Board for Medicine

Ms. Suzanne Sullivan
Executive Secretary
State Board of Nursing

Mr. Lawrence "Larry" H. Mokhiber
Executive Secretary
State Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Patrick McCrory
Governor of North Carolina
20301 Mail Service Center
Raleigh, NC 27699

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of North Carolina to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of North Carolina), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. R. David Henderson
Executive Director
North Carolina Medical Board

Julia George, RN, MSN, FRE
Executive Director
NC Board of Nursing

Mr. Jay Campbell
Executive Director
North Carolina Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Jack Dalrymple
Governor of North Dakota
State Capitol
600 East Blvd. Ave.
Bismarck, ND 58505

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of North Dakota to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of North Dakota), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Duane Houdek
Executive Secretary
North Dakota Board of Medical Examiners

Constance B. Kalanek, RN
Executive Director
ND Board of Nursing

Mr. Mark J. Hardy
Executive Director
North Dakota Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable John R. Kasich
Governor of Ohio
Riffe Center, 30th Floor
77 South High St.
Columbus, OH 43215

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Ohio to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Ohio), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Jonathan Blanton
Interim Executive Director
State Medical Board of Ohio

Ms. Betsy Houchen
Executive Director
Ohio Board of Nursing

Kyle Parker, MBA, RPh
Executive Director
Ohio State Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Mary Fallin
Governor of Oklahoma
212 State Capitol
2300 North Lincoln Blvd.
Oklahoma City, OK 73105

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Oklahoma to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Oklahoma), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Lyle Kelsey
Executive Director
Oklahoma Board of Medical Licensure and Supervision

Kimberly Glazier, MEd, RN
Executive Director
Oklahoma Board of Nursing

John A. Foust, PharmD, DPh
Executive Officer
Oklahoma State Board of Pharmacy

Deborah J. Bruce, JD, CMBE
Executive Director
Oklahoma State Board of Osteopathic Examiners



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable John Kitzhaber
Governor of Oregon
212 State Capitol
900 Court St., NE
Salem, OR 97301

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Oregon to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Oregon), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Kathleen Haley, JD
Executive Director
Oregon Medical Board

Ms. Ruby R. Jason
Executive Director
Oregon State Board of Nursing

Marcus Watt, RPh
Executive Director
Oregon Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Tom Corbett
Governor of Pennsylvania
225 Main Capitol Building
Harrisburg, PA 17120

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the Commonwealth of Pennsylvania to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the Commonwealth of Pennsylvania), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Michael Coates
Board Administrator
State Board of Medicine

Ms. Laurette D. Keiser
Executive Secretary
State Board of Nursing

Ms. Melanie Zimmerman
Executive Secretary
State Board of Pharmacy

Ms. Suzanne M. Smith
Administrator
Pennsylvania State Board of Osteopathic Medicine



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Alejandro Garcia Padilla
Governor of Puerto Rico
La Fortaleza
PO Box 9020082
San Juan, PR 00902

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the Commonwealth of Puerto Rico to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states, the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Gladys N. Torres Diaz, Esq.
Executive Director
Puerto Rico Board of Medical Licensure and Discipline

Commonwealth of Puerto Rico Board of Nurse Examiners

Mr. Ernesto Caballero
Executive Director
Puerto Rico Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Lincoln Chafee
Governor of Rhode Island
222 State House
Providence, RI 02903

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Rhode Island to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Rhode Island), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: James V. McDonald, MD, MPH
Chief Administrative Officer
Rhode Island Board of Medical Licensure and Discipline

Ms. Twila McInnis
Director
Nurse Registration and Nursing Education Board

Peter Ragosta, RPh
Executive Director
Rhode Island Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Nikki R. Haley
Governor of South Carolina
1205 Pendleton St.
Columbia, SC 29201

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of South Carolina to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of South Carolina), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Sheridan Spoon, Esq.
Administrator
South Carolina Board of Medical Examiners

Ms. Nancy Murphy
Administrator
South Carolina Board of Nursing

Lee Ann Bundrick, RPh
Administrator
Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Dennis Daugaard
Governor of South Dakota
Office of the Governor
500 East Capitol Ave.
Pierre, SD 57501

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of South Dakota to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of South Dakota), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Margaret B. Hansen, PA-C, MPAS
Executive Director
South Dakota Board of Medical and Osteopathic Examiners

Gloria Damgaard, RN, MS
Executive Director
South Dakota Board of Nursing

Mr. Randy Jones
Executive Director
South Dakota State Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Bill Haslam
Governor of Tennessee
State Capitol
Nashville, TN 37243

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Tennessee to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Tennessee), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Maegan Miller
Executive Director
Tennessee State Board of Medical Examiners

Ms. Elizabeth Lund
Executive Director
Tennessee State Board of Nursing

Mr. Reginal Dilliard
Executive Director
Tennessee Board of Pharmacy

Maegan Carr Martin, JD
Executive Director
Tennessee Board of Osteopathic Examination



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Rick Perry
Governor of Texas
PO Box 12428
Austin, TX 78711

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Texas to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Texas), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mari Robinson, JD
Executive Director
Texas Medical Board

Ms. Katherine A. Thomas
Executive Director
Texas Board of Nursing

Gay Dodson, RPh
Executive Director
Texas State Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Gary R. Herbert
Governor of Utah
350 North State St., Suite 200
PO Box 142220
Salt Lake City, UT 84114

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Utah to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Utah), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. April Ellis
Bureau Manager
Utah Physicians & Surgeons Licensure Board

Ms. Debra Hobbins
Bureau Manager
Utah State Board of Nursing

Mr. Rich Oborn
Bureau Manager
Utah Board of Pharmacy

April Ellis, JD
Bureau Manager
Utah Osteopathic Physicians & Surgeons Licensing Board



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Peter Shumlin
Governor of Vermont
Pavilion Building
109 State St.
Montpelier, VT 05609

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Vermont to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Vermont), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. David Herlihy
Executive Director
Vermont Board of Medical Practice

Ms. Linda Davidson
Executive Director
Vermont State Board of Nursing

Mr. Ronald J. Klein
Executive Officer
Vermont Board of Pharmacy

Ronald J. Klein, RPh,
Executive Officer
Vermont Board of Osteopathic Physicians and Surgeons



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Terry McAuliffe
Governor of Virginia
State Capitol
1111 East Broad St.
Richmond, VA 23219

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the Commonwealth of Virginia to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the Commonwealth of Virginia), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: William L. Harp, MD
Executive Director
Virginia Board of Medicine

Jay P. Douglas, MSM, RN, CSAC, FRE
Executive Director
Virginia Board of Nursing

Ms. Caroline D. Juran
Executive Director
Virginia Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Jay Inslee
Governor of Washington
Office of the Governor
PO Box 40002
Olympia, WA 95804

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Washington to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Washington), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Ms. Melanie De Leon
Executive Director
Washington Medical Quality Assurance Commission

Ms. Paula Meyer
Executive Director
Washington State Nursing Care Quality Assurance Commission

Chris Humberson, RPh
Executive Director
Washington State Pharmacy Quality Assurance Commission

Blake T. Maresh, MPA, CMBE
Executive Director
Washington Board of Osteopathic Medicine and Surgery



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Earl Ray Tomblin
Governor of West Virginia
State Capitol
1900 Kanawha Blvd., E.
Charleston, WV 25305

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of West Virginia to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of West Virginia), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Robert C. Knittle, MS
Executive Director
West Virginia Board of Medicine

Laura Skidmore Rhodes, MSN, RN
Executive Director
West Virginia Board of Examiners for Registered Professional Nurses

Mr. David E. Potters
Executive Director & General Counsel
West Virginia Board of Pharmacy



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Scott Walker
Governor of Wisconsin
Office of the Governor
115 East Capitol
Madison, WI 53702

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Wisconsin to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Wisconsin), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Thomas Ryan
Executive Director
Wisconsin Medical Examining Board

Mr. Dan Williams
Executive Director
Wisconsin Department of Safety and Professional Services

Mr. Dan Williams
Executive Director
Wisconsin Pharmacy Examining Board



National Transportation Safety Board

Washington, DC 20594

Safety Recommendation

Date: September 23, 2014

In reply refer to: I-14-1 and -2

The Honorable Matt Mead
Governor of Wyoming
State Capitol
200 West 24th St.
Cheyenne, WY 82002

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge the state of Wyoming to take action on the safety recommendations being issued in this letter.

On September 9, 2014, we adopted our safety study, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*.¹ Additional information about this topic and the resulting recommendations may be found in the study, which can be accessed at our website, <http://www.nts.gov>, under report number SS-14/01.

As a result of this safety study, we issued six new recommendations, including four recommendations to the Federal Aviation Administration and the following two recommendations to the 50 states (including the state of Wyoming), the District of Columbia, and the Commonwealth of Puerto Rico:

I-14-1

Include in all state guidelines regarding prescribing controlled substances for pain a recommendation that health care providers discuss with patients the effect their

¹ *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, September 9, 2014, SS-14/01.

medical condition and medication use may have on their ability to safely operate a vehicle in any mode of transportation.

I-14-2

Use existing newsletters or other routine forms of communication with licensed health care providers and pharmacists to highlight the importance of routinely discussing with patients the effect their diagnosed medical conditions or recommended drugs may have on their ability to safely operate a vehicle in any mode of transportation.

An informational article that could be distributed to fulfill Safety Recommendation I-14-2 is enclosed for your consideration.

Acting Chairman HART, and Members SUMWALT, ROSEKIND, and WEENER concurred in these recommendations.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement them. When replying, please refer to the safety recommendations by number. We encourage you to submit your response electronically to correspondence@ntsb.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

[Original Signed]

By: Christopher A. Hart,
Acting Chairman

Enclosure

cc: Mr. Kevin Bohnenblust
Executive Director
Wyoming Board of Medicine

Ms. Cynthia LaBonde
Executive Director
Wyoming State Board of Nursing

Ms. Mary K. Walker
Executive Director
Wyoming State Board of Pharmacy

Evidence That Pilots Are Increasingly Using Over-the-Counter, Prescription, and Illicit Drugs

The National Transportation Safety Board (NTSB) recently analyzed toxicology tests from 6,677 pilots who died in a total of 6,597 aviation accidents between 1990 and 2012. The results demonstrate a significant increase in the use of a variety of potentially impairing drugs.

The study found significantly increasing trends in pilots' use of all drugs, potentially impairing drugs (those with a US Food and Drug Administration warning about sedation or behavior changes in routine use), controlled substances, and illicit drugs (those defined as Schedule I by the US Drug Enforcement Administration). The final report, *Drug Use Trends in Aviation: Assessing the Risk of Pilot Impairment*, is available on the NTSB's [Safety Studies](#) web page under report number SS-14/01.

In this study, the pilot was considered to be positive for a drug if it could be qualitatively or quantitatively identified in blood or tissue; drugs identified only in urine or used as part of resuscitative efforts were excluded.

Overall, 98% of the study pilots were male and 96% were flying privately rather than for commercial purposes. The average age of study pilots increased from 46 to 57 years over the study period.

Over the course of the study, for fatally injured pilots, the following was found:

The proportion of pilots testing positive for at least one drug increased from 10% to 40%.

More than 20% of all pilots from 2008-2012 were positive for a potentially impairing drug, and 6% of all pilots were positive for more than one potentially impairing drug.

Overall, the most common potentially impairing drug pilots had used was diphenhydramine, a sedating antihistamine (the active ingredient in many Benadryl and Unisom products).

During the most recent 5 years studied, 8% of all pilots tested positive for controlled substances; hydrocodone and diazepam each accounted for 20% of the positive findings.

The percentage of pilots testing positive for marijuana use increased to about 3% during the study period, mostly in the last 10 years.

The large increase in the proportion of fatally injured pilots with evidence of potentially impairing drugs suggests an increasing risk of impairment in general aviation. Aviation is the only transportation mode in which a fatally injured operator (pilot) routinely undergoes extensive toxicology testing; no similar testing is routinely performed for fatally injured operators of boats, trains, trucks, or cars. Given the general increase in drug use in the population, it is likely that there has been a similar trend in drug use among operators across all modes of transportation.

These results highlight the importance of routine discussions between health care providers and pharmacists and their patients about the potential risks that drugs and medical conditions can create when patients are operating a vehicle in any mode of transportation.