

National Association of State EMS Officials

Data Managers Spring Meeting

April 20, 2015

Chair: Paul Sharpe, Virginia

Chair-Elect: Lindsey Narloch, North Dakota

Secretary: Chuck Happel, Wisconsin

Immediate Past Chair: Joe Moreland, Kansas

Call to order by Paul Sharpe on at 0830 hours (CST).**Attendees:**

MisChele White – AL

Rogelio Martinez – AZ

Tom McGinnes – CA

Mark Roberts – CA

Jean Speck – CT

Steve McCoy – FL

Joe Moreland – KS

Kevin Putman – MI

Bob Norlen – MN

Jim DeTienne – MT

Lindsey Narloch – ND

Tim Seplaki – NJ

Dale Okerson – OK

Chris Drucker – TX

Rob Klein – TX

Paul Sharpe – VA

Kim Rollines – VI

Chuck Happel – WI

Andy Gienapp – WY

Others:

Rachael Alter – NASEMSO

Nick Nudell – NASEMSO

Karen Jacobson – NEMSIS TAC

Joshua Legler – Consultant, NEMSIS TAC

N. Clay Mann – NEMSIS TAC

Drew Dawson – NHTSA

DISCUSSION ITEMS**ROUND ROBIN – STATE UPDATES**

- Texas has their vendor getting ready to be v3 compliant
- Kansas is working to implement licensing so v3 does not have a set date now. Licensing completion is set for July 1, 2015 implementation.
- Kansas is working to implement a new EMS licensing application, so v3 does not have a set date at this time. The licensing project goal completion date is set for July 1, 2015.
- Minnesota as a state decided to reduce the emphasis on collecting data. As such they are now reviewing what it will take to implement v3. Data Committee now wants to get back to setting a date for implementing v3.

ROUND ROBIN – STATE UPDATES, cont.

- North Dakota vendor does not have a field level product as yet, so no implementation date is established currently.
- Florida has already started collecting v3 data and looking to perform their first v3.4 upload on May 1, 2015. Looking to have a quarter of their providers uploading by the end of the year. While the state vendor is NEMESIS compliant the field vendors are not. They wanted to enforce NEMESIS compliance but two of their largest vendors do not have intentions of obtaining NEMESIS compliance.
- Montana has been on v2 for the last 10 years. However, MT has just started uploading v2 data to NEMESIS. MT will be looking to issue a RFP for v3 data within the next few months.
- Alabama vendor for v3 has been chosen and is NEMESIS compliant but have not defined a date yet.
- California is collecting v3 data now. However, while the state creates rules there is a lower level of regional government who does not support the migration to v3. Agencies need to submit data regionally then the region submits it to the state. Recently got approval to allow an agency to bypass the regional submission. This will be a test case to see if more providers might be forthcoming.
- St Thomas is collecting data from the hospital. They only have one hospital to deal with so it is easy(?).
- New Jersey has no oversight to enforce agencies to submit data. Currently NJ has a state vendor in place with +/-40% submitting to v2 data. Discussing how to best implement v3 data collection. Some of their larger providers want to migrate to v3 which will help to reach for a goal of January 1, 2016.
- Wisconsin has completed migrating their v2 database. Looking to start with a beta group of providers by July 1, 2015. Will allow migration until NEMESIS stops allowing v2 data.
- Virginia has completed its v3 setup and about to go live. Based on system needs VA has grouped its implementation starting with non-billing agencies that use the state ePCR, then billing agencies using the state ePCR, then strictly EMS agencies using third party vendors and finally fire service agencies. VA just got its Schematron file and state file. VA has begun to participate in its health department's data warehouse providing access to hospital discharge and other data.
- Michigan has put off implementing several times. Currently MI has their v3 system but no providers connected yet. Will consider starting after July update.

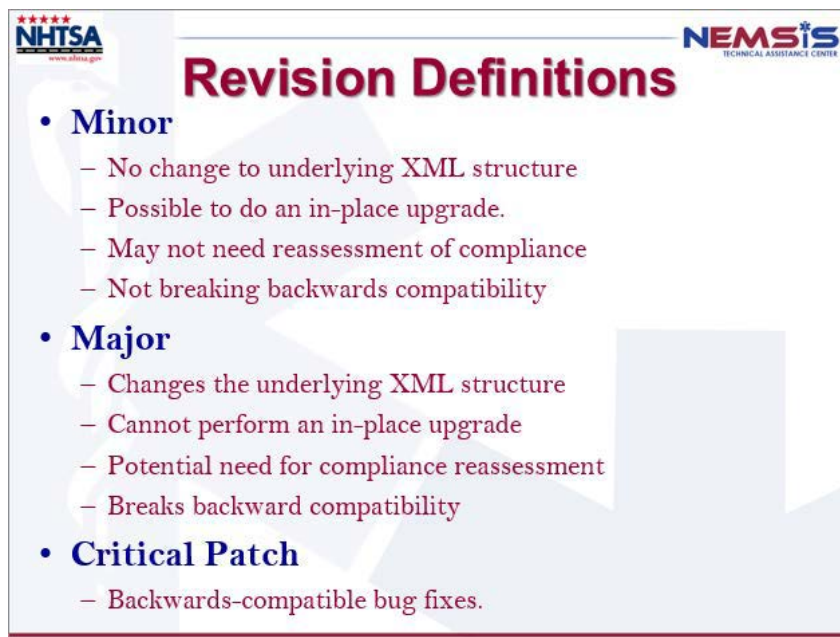
NEMESIS MAJOR RELEASE SCHEDULE

Overview: The Chair provided a brief synopsis of the background that led to the next import agenda item. The NASEMSO Board of Directors (BOD) received concern from some states with the implementation of version 3. The concerns centered on v3 “constantly changing” making it challenging for vendors to roll out their new products and EMS agencies to train and roll out v3.

The BOD tasked the DMC with reviewing the issue and making a recommendation to the BOD on how frequently NEMSIS versions should occur and what constitutes a major change. Time was allowed to work with the NEMSIS TAC and seek input from other stakeholders. The issue over time blossomed to not only the time period needed for major version updates, but to include “pausing” new releases to allow vendors, states, and agencies with time to catch-up. So the question expand to how long v3.3.4, and v3.4 should be open and how long v2 data should be collected by the NEMSIS TAC

- The session began with the Chair suggesting that we first need to define what a major release.
 - Regardless of the change, if it costs money to implement then it becomes a major change.
 - There was much discussion about the proposed definitions of a major versus minor release from NEMSIS TAC; Figure 1. The definitions provided by the TAC were broad in nature, but a previously distributed spreadsheet (Table 1) from Florida detailing items that constitute major versus minor changes was utilized for discussion. The Florida spreadsheet was generally accepted as a guideline to support the broader TAC definitions.

Figure 1: Proposed Revision Definitions by the NEMSIS TAC



Revision Definitions

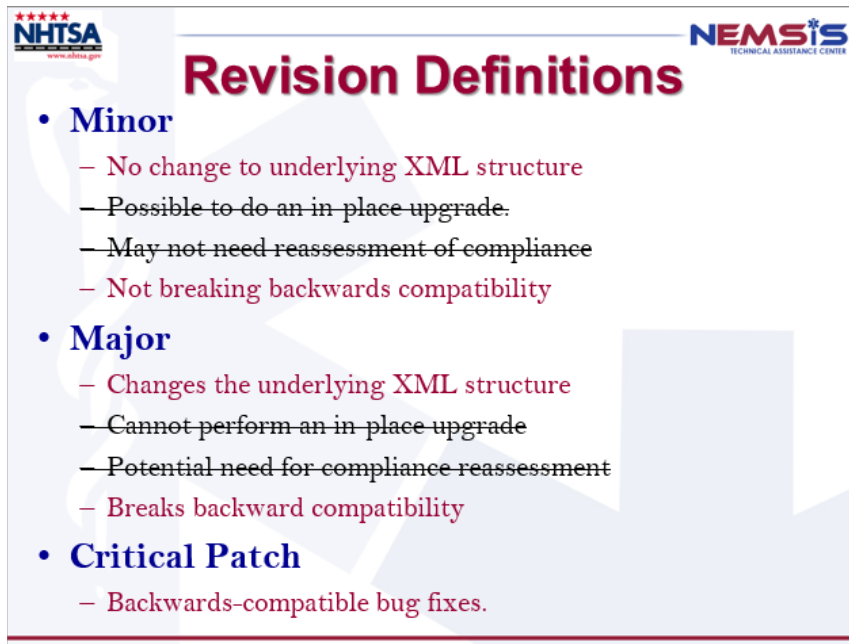
- **Minor**
 - No change to underlying XML structure
 - Possible to do an in-place upgrade.
 - May not need reassessment of compliance
 - Not breaking backwards compatibility
- **Major**
 - Changes the underlying XML structure
 - Cannot perform an in-place upgrade
 - Potential need for compliance reassessment
 - Breaks backward compatibility
- **Critical Patch**
 - Backwards-compatible bug fixes.

Table 1: Florida Spreadsheet Detailing Minor versus Major Changes

Type of Change	Areas of Impact						Minor	Major
	Data Dictionary	XSD	XSD Structure	Schematron	Database	User Interface		
Definition	X	X			X		X	
Definition changes Field Meaning	X			X				X
Comment	X	X			X		X	
New Field Value	X	X		X	X	X	X	
Delete a Field Value	X	X		X	X	X		X
Adding a New Field (Required)	X	X	X	X	X	X		X
Adding a New Field (Optional)	X	X	X	X	X	X	X	
Removing a Field	X	X	X	X	X	X		X
Field Value Description	X	X			X	X	X	
Field Value Constraint (Restrictive)	X	X		X	X	X		X
Field Value Constraint (inclusive)	X	X		X	X		X	
Field Value Pattern (Restrictive)	X	X		X	X	X		X
Field Value Pattern (Inclusive)	X	X		X	X		X	
Field Value Data Type	X	X		X	X			X
Typos	X	X				X	X	
0:1 to 1:1	X	X	X	X				X
0:1 to 0:M	X	X	X	X	X	X		X
0:1 to 1:M	X	X	X	X	X	X		X
1:1 to 0:1	X	X	X	X			X	
1:1 to 0:M	X	X	X	X	X	X		X
1:1 to 1:M	X	X	X	X	X	X		X
1:M to 1:1	X	X	X	X	X	X		X
1:M to 0:1	X	X	X	X	X	X		X
1:M to 0:M	X	X	X	X				X

Type of Change	Areas of Impact						Minor	Major
	Data Dictionary	XSD	XSD Structure	Schematron	Database	User Interface		
Removing PN	X	X		X		X		X
Adding NV	X	X		X		X		X
Removing NV	X	X		X		X		X
Normalizing Fields	X	X	X		X			X
Adding XML Groups		X	X					X
Removing XML groups		X	X					X
Adding Attributes (Data) - Required	X	X		X	X	X		X
Adding Attributes (Data) - Optional	X	X		X	X	X	X	
Adding Attributes (Metadata) - Required		X	X	X				X
Adding Attributes (Metadata) - Optional		X	X	X			X	
Removing Attributes (Data)	X	X		X	X	X		X
Removing Attributes (Metadata)		X	X	X				X

- **MOTION:** By Bob Norlen-MN and seconded by Jean Speck-CT to accept the NEMESIS TAC definitions. Additional discussion followed. Some suggested changing “May” to “Shall” and “Possible” to “Able”. An **AMENDMENT** was made by Kevin Putnam-MI, seconded by Joe Moreland-KS and accepted as a friendly amendment to drop line three related to reassessment of compliance in both the Major and Minor definitions. A **SECOND AMENDMENT** by Kevin Putnam-MI, seconded by Rogelio Martinez-AZ and accepted as a friendly amendment to also remove the second line related to perform an in-place upgrade in both the Major and Minor definitions. As the previously discussed language changes are being removed with these amendments no language changes are part of the motion. **Vote** called with 10 ayes, 0 nays and 3 abstained, Lindsay Narloch-ND, Chris Drucker-TX & Steve McCoy-FL. **Motion passed.** See illustration in Figure 2.

Figure 2: Proposed Revision Definitions by the NEMSIS TAC as amended by the DMC

Revision Definitions

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- Concern was voiced about minor revisions that may or may not be used by a state could still cost to implement into software. If states choose not to include the minor changes there could ultimately be an impact on the overall percentage of reports not being provided to the NEMSIS database.

- Second question was, what is the timeframe that should be used to allow the inclusion of a major revision?
 - Initially it was suggested that it should be a minimum of two years.
 - **MOTION** by Bob Norlen-MN second by Steve McCoy-FL to lock in v3.34 for two years. An **AMENDMENT** made by Joe Moreland-KS, seconded by Rogelio Martinez – AZ and accepted as a friendly amendment to change the date to a calendar year which would make the date 12/31/2017. **Vote** called with 10 for, 1 Kevin Putnam-MI against and 2 abstained, Lindsay Narloch-ND & Jean Speck-CT. **Motion passed.**
 - Joe Moreland-KS made a **MOTION** with a second by Kevin Putnam-MI that v3.4 would be the mandatory version as of 1/1/2018. **Vote** called 7 ayes, 0 nays and 3 abstained, Lindsay Narloch-ND, Jean Speck-CT & Steve McCoy-FL. **Motion passed.**
 - Steve McCoy-FL **MOTIONED** with Kevin Putnam-MI second to move out the stop date for NEMESIS to allow submission of v2 date to 12/31/2016. **Vote** Called with 7 aye, 4 nay, Rogelio Martinez – AZ, Bob Norlen-MN, Lindsay Narloch-ND & Tom McGinnes -CA, 2 abstained, Chris Drucker-TX & Jean Speck-CT. **Motion passed.**
 - **MOTION** by Rogelio Martinez-AZ, second by Jean Speck-CT to allow a major release within 2 years. Currently, a change can take place annually with no determination if it is minor or major. **Vote** called Rogelio Martinez – 1 Rogelio Martinez-AZ aye, 10 nay, 2 abstain, Kevin Putnam-MI & Lindsay Narloch-ND **Motion failed.**
 - **MOTION** by Steve McCoy-FL, second by Tom McGinnes-CA to allow a major release within 4 years and a minor release within 2 years. An **AMENDMENT** by Joe Moreland-KS, second by Bob Norlen-MN and accepted as a friendly amendment to tie in a calendar date. This **motion was withdrawn.**
 - Joe Moreland-KS **MOTIONED** second by Steve McCoy-FL to tie any version release dates to the calendar year (1/1/XXXX). 10 ayes, 0 nays and 0 abstain. **Motion passed.**

ADJOURNMENT

Meeting was adjourned at 1345 hours and reconvened after lunch.

The next meeting will be Wednesday, April 22, 2015 8:30-4:30pm (Central).

Meeting Record respectfully submitted by Secretary Chuck Happel.

National Association of State EMS Officials

Data Managers Spring Meeting

April 22, 2015

Chair: Paul Sharpe, Virginia

Chair-Elect: Lindsey Narloch, North Dakota

Secretary: Chuck Happel, Wisconsin

Immediate Past Chair: Joe Moreland, Kansas

Call to order by Paul Sharpe on at 0830 hours (CST).

Attendees:

MisChele White – AL
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Mark Roberts – CA
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Steve McCoy – FL
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Kevin Putman – MI
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Lindsey Narloch – ND
Tim Seplaki – NJ
Dale Okerson – OK

Chris Drucker – TX
Rob Klein – TX
Paul Sharpe – VA
Kim Rollines – VI
Chuck Happel – WI
Andy Gienapp – WY

Others:

Rachael Alter – NASEMSO
Nick Nudell – NASEMSO
Karen Jacobson – NEMSIS TAC
Joshua Legler – Consultant, NEMSIS TAC
N. Clay Mann – NEMSIS TAC
Drew Dawson – NHTSA
Mike Ely – NEDARC

DISCUSSION ITEMS

Started the meeting with a comment we should have a discussion of benchmarking on our next call suggested by Steve McCoy-FL. There was a consensus agreement of everyone present. Meeting was then turned over to Josh Legler-NEMSIS TAC.

NEMSIS STATE RESOURCE BUILDER

NEMSIS has created an XML schema that is called State Dataset. Destination numbers can be State specific and could be duplicated in another state. The builder has been tested with several modern browsers. A demonstration followed. Each area of the builder was reviewed with discussion to create a

complete XML file. After a state publishes it they will be available to other states to compare and vendors to use for their customers to be compliant. Concern was voiced between the terminology of Recommended vs. Required. XML is understood to be required yet states want to collect recommended fields. The concern is that if a recommended field is turned on in the XML file, the users may perceive it as required.

NEDARC

Mike Ely from NEDARC requested what EMS Performance Measures we would suggest. He wanted to emphasize reviewing a PCR for quality improvement particularly as it relates to pediatric. Some suggestions were:

- Requiring a weight for any patient 8 year old or less. The weight preferably would be parental or Broselow tape but could be estimated.
- Under medication of pediatric patient when a high pain scale is indicated.
- Requiring certain vitals for pediatric patients such as a respiratory and pulse rate systolic BP, and pulse ox reading.
- Whether or not the correct size equipment was used for the pediatric patient.

NEMESIS TAC

Clay Mann showed the analysis tools currently available on their website. Described the ability to download a free tool from [Tableau](#) to perform further analysis locally. Also showed the state specific data that is available.

Question whether to allow release of state specific data was posed. Most voiced support but possibly under the consideration of NEMESIS having a Medical Director in place for this process.

ROUND ROBIN – STATE UPDATES (Cont. from Last Meeting)

Connecticut has a new Epidemiologist who will most like replace Jean as our representative. Their training may most likely delay their implementation of v3. Hugs were provided to Jean and sentiments voiced having been a member of the DMC as long as she has.

ADJOURNMENT

Meeting was adjourned at 1200 hours.

The next meeting will be Wednesday, April 22, 2015 8:30-4:30pm (Central).

Meeting Record respectfully submitted by Secretary Chuck Happel.