Real-time System Management Information Program (RTSMIP)

North/West Passage Coalition Conformance Assessment

NWP Project 6.2 – 23 CFR 511 Final Rule

April 11, 2013

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North/West Passage
Transportation Pooled Fund Study

Eight member states
Focus on Interstate 90 and 94

Founded 2003
www.nwpassage.info
RTSMIP Legislation

SAFETEA-LU, Subtitle B, §1201 (2005)

(a) Establish RTSMIP

(b) Data Exchange Formats

(c) ITS Architecture - for (a) and (b)

(d-f) Eligibility, Limitations, Definitions

(a) ≠ (b)
RTSMIP Rule Timeline

Jan 2009 NPRM

Jul 2011 Response Summary

Feb 2013 Draft Guidelines

Nov 2014 Interstates

Nov 2010 Final Rule

Nov 2016 Metro RoS
Not in the Rule

No dissemination requirement

No specific technologies or applications

No specifics for measuring accuracy or quality metrics
# Requirements Summary

<table>
<thead>
<tr>
<th>Information</th>
<th>Coverage: Interstate - Outside Metro</th>
<th>Coverage: Interstate - Within Metro</th>
<th>Coverage: Metro Area RoS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction</strong> – Any lane closure of duration exceeding latency requirement, not short-term or intermittent</td>
<td>20 minute latency from time of closure</td>
<td>10 minute latency from time of closure</td>
<td>10 minute latency from time of closure</td>
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<tr>
<td><strong>Incidents</strong> – Any lane blocking incident</td>
<td>20 minute latency from time of verification</td>
<td>10 minute latency from time of verification</td>
<td>10 minute latency from time of verification</td>
</tr>
<tr>
<td><strong>Road Weather</strong> – Hazardous conditions or lane closures/blockages due to weather</td>
<td>20 minute latency from observation</td>
<td>20 minute latency from observation</td>
<td>20 minute latency from observation</td>
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<tr>
<td><strong>Travel Times</strong></td>
<td>N/A</td>
<td>10 minute latency from calculation</td>
<td>10 minute latency from calculation *</td>
</tr>
</tbody>
</table>

**Deadline**
- November 8, 2014
- November 8, 2014
- November 8, 2016

* The travel time requirement applies only to limited-access RoS
Metro Areas

List of 49 identified in January 2009 NPRM...
Metro Areas

...since then, San Juan, PR was added

And two more now exceed 1 million population
- Salt Lake City, UT
- Raleigh, NC

Now totaling 52 areas
Metro Area Boundaries

Milwaukee MSA

- **MSA (Census)**
- **Planning (MPO)**
- **Urbanized Area (Census)**
Metro Area Boundaries

Milwaukee MSA

- MSA (Census)
- Planning (MPO)
- Urbanized Area (Census)
- Adjusted Urbanized Area (consensus)
Common NWP Themes

Interstate coverages are not an issue (for 2014)

Two items of special interest:

1. Travel time coverage on Routes of Significance
2. Ensuring 24/7 provision where DOTs do not operate 24/7 (generally interstates only)
Q: Are maintenance or unplanned closures included in this rule?

A: Yes, the rule applies for any closure with a duration that falls within the latency time (20 min or 10 min).
Q: What lengths of travel time segments are required?

A: Long segments and broad allowances are acceptable, e.g., interstate to interstate junctions may be a good rule of thumb.
Q: How does the Data Exchange Format Specification (DXFS) project and guidance relate to this?

A: No direct bearing.
Q: For winter roads, can point data (e.g., RWIS) satisfy the requirement or is segment information required?

A: Point data can contribute, but if conditions are especially hazardous or result in a closure, human observation must be part of the process.
Q: Are non-freeway interstate segments - such as business loops - also covered under this rule?

A: No, that is not the intent.
Continuing Activities

- Confirm metro boundaries
- Determine Routes of Significance and expand coverage if necessary
- Collaborate with other agencies for 24/7 coverage
- Meet deadlines of November 2014 and November 2016
Thank You

Further information:
www.ops.fhwa.dot.gov/1201
www.topslab.wisc.edu/its/1201
www.nwpassage.info

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