



Working Group 7: Legacy Network Best Practices Update

Status Update

December 4, 2013

Kyle Malady, Verizon, Chair

WG7 – Legacy Best Practices Update

Charter

WG7:

The majority of the best practices recommended by CSRIC address the reliability and resiliency of legacy communications networks, including 9-1-1 networks and services. CSRIC III took a fresh look at the 9-1-1 best practices, but the other legacy best practices have not been examined since CSRIC II. This Working Group will review the legacy best practices to identify where additional practices may be necessary given changes in technology, practices, or observed reliability trends. The Working Group will then recommend changes to the existing set of best practices to address the topics revealed by the foregoing analysis. Finally, the Working Group will consider revisions to best practices proposed by the Alliance for Telecommunications Industry Solutions and recommend how to incorporate these changes into the wider body of best practices.

New Item:

Consider an issue related to security of manholes and expedited restoration following a associated outage.



WG7 – Legacy Best Practices Update

Current Objectives

September 2014:

- Gap analysis of existing legacy best practices, identify where additional practices may be necessary given changes in technology, practices, or observed reliability trends.
- Recommend changes to the existing set of legacy best practices to address the topics revealed by the gap analysis process.
- Consider revisions to best practices proposed by the Alliance for Telecommunications Industry Solutions (ATIS) and recommend how to incorporate changes into the wider body of best practices.

March 2014 (New):

- Consider an issue related to security of manholes and expedited restoration following a associated outage.

March 2015:

- Recommend revisions to the best practice prioritizations based on CSRIC II WG6 recommended process.



WG7 – Legacy Best Practices Update

Current Members (16)

WG-7 Member

Kyle Malady (Chair)

Mary Boyd

Ron Boyer

Tim Collier

Mike Conschafter

Shahin (Shaw) Daneshkhah

Victor Divito

Stacy Hartman

Robin Howard

Rick Krock

John Marinho

Bob Oenning

Andre Savage

Andy Scott

Gigi Smith

Kathy Whitbeck

Company

Verizon

Intrado

Boyer Broadband

Sprint-Nextel

Exelis

Sprint-Nextel

AT&T

CenturyLink

Verizon

Alcatel Lucent

CTIA

Earthlink

Cox Communications

NCTA

APCO

Nsight



WG7 – Legacy Best Practices Update

Schedule & Status

- **Workload has been identified**
 - 476 Best Practices selected for evaluation
 - 275 Network Reliability, 176 Physical Security, 25 Disaster Recovery and Mutual Aid
 - 16 Best Practices created in CSRIC III and reviewed by the ATIS Network Reliability Steering Committee (NRSC)
 - Manhole Security issue (new)
 - Best Practice Status review (e.g., Critical, Highly Important, Important)
- **Working Group divided into four subteams**
 - Each subteam has experienced best practice expert(s)
 - Best Practice training provided on structure and design
 - Subteams meet as full Working Group bi-monthly



WG7 – Legacy Best Practices Update

Schedule & Status (Continued)

- **Best Practice review guidelines**

- Designed to keep the subteams on course and focused
- Checklist developed to provide consistency in review process
 - Addresses each major structure area of a best practice (e.g., Network Types, Industry Roles, Status, and Keywords)
 - Addresses weblink and reference correctness
 - Addresses wording, relevance, and multiple topics
- Bi-monthly meetings for progress and escalated issues review
- Peer subteam review process for evaluating other subteam work

- **CSRIC III NRSC referred Best Practices**

- Full working group will review and comment on referred best practices
- Review will be included in the September 2014 Final Report



WG7 – Manhole Security

Issue Overview

Summary:

The FCC has requested that WG7 consider an issue related to security of manholes and expedited restoration following a associated outage. This high priority issue involves major outages in 2013 and previous years caused by vandals entering a manhole and damaging communication facilities.

Suggested Resolution:

WG7 will exam this issue to determine if existing best practices can be applied, modified, or created to address this class of event. WG7 will also consider non-best practice recommendations that may be shared with other non-communication company manhole owners (e.g., utilities, consortiums, municipalities) addressing this security issue. Expediting restoration when events of this nature occur will also be investigated.



WG7 – Legacy Best Practices Update

Next Steps

- **Continue work on Best Practices by subteams**
- **Work Manhole Security issue as parallel effort**
- **Perform gap analysis and document recommendations**
- **Review ATIS NRSC recommendations on Best Practices from CSRIC III**

