

Smart Metering Entity (SME) Licence Order Working Group

Meeting # 12

January 19th, 2017

Call-In Numbers:

Local: (416) 915-8942

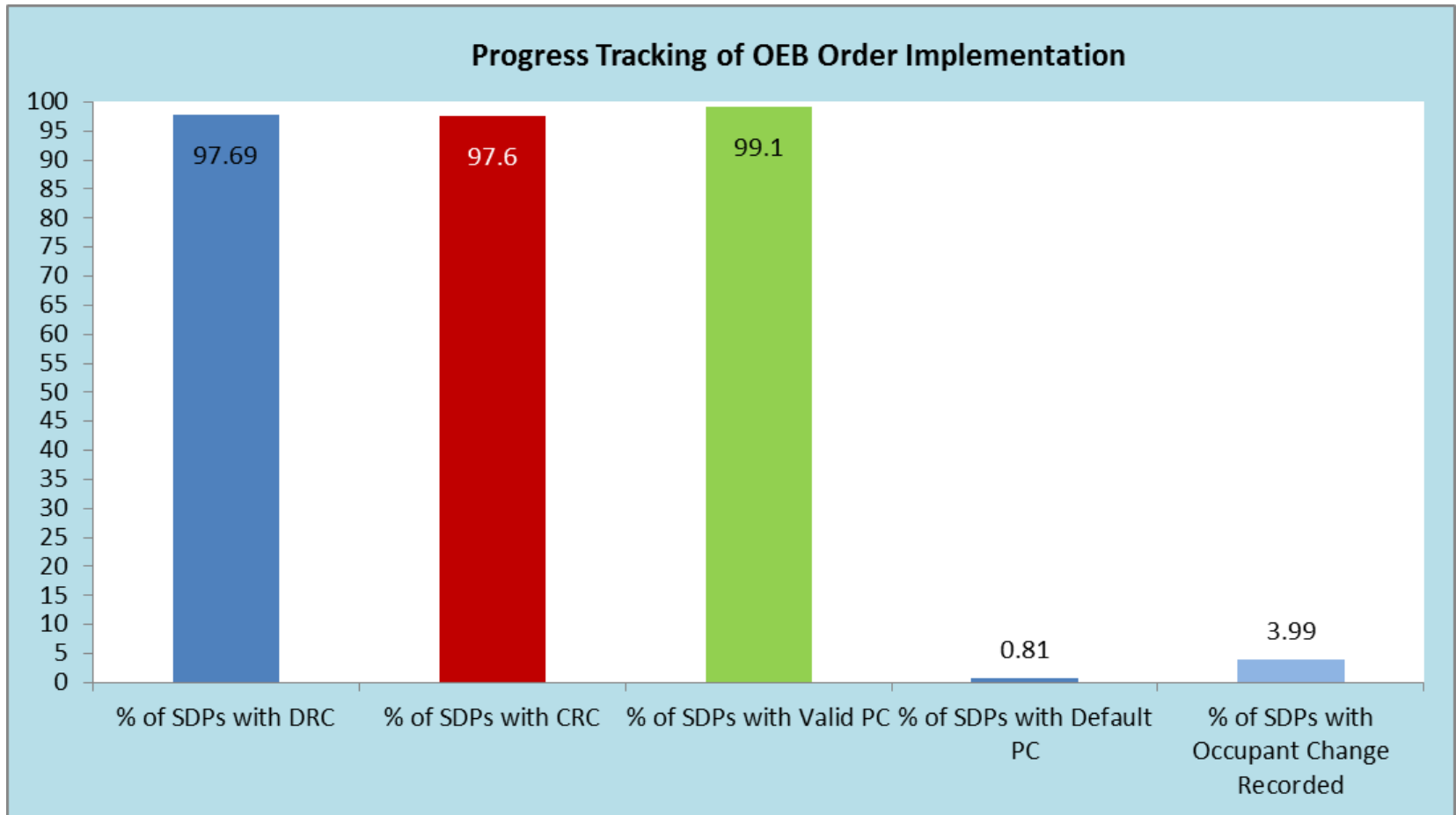
Toll Free: 1 855 244-8680

Agenda

- New Data Elements Collection and Reporting
- Communications Calendar & Project Timeline Update – Phase 1
- Communications Calendar Update – Phase 2
- Third Party Access – Use Case Samples
 - Review & discussion
- Meeting Conclusions and Next Meeting Planning

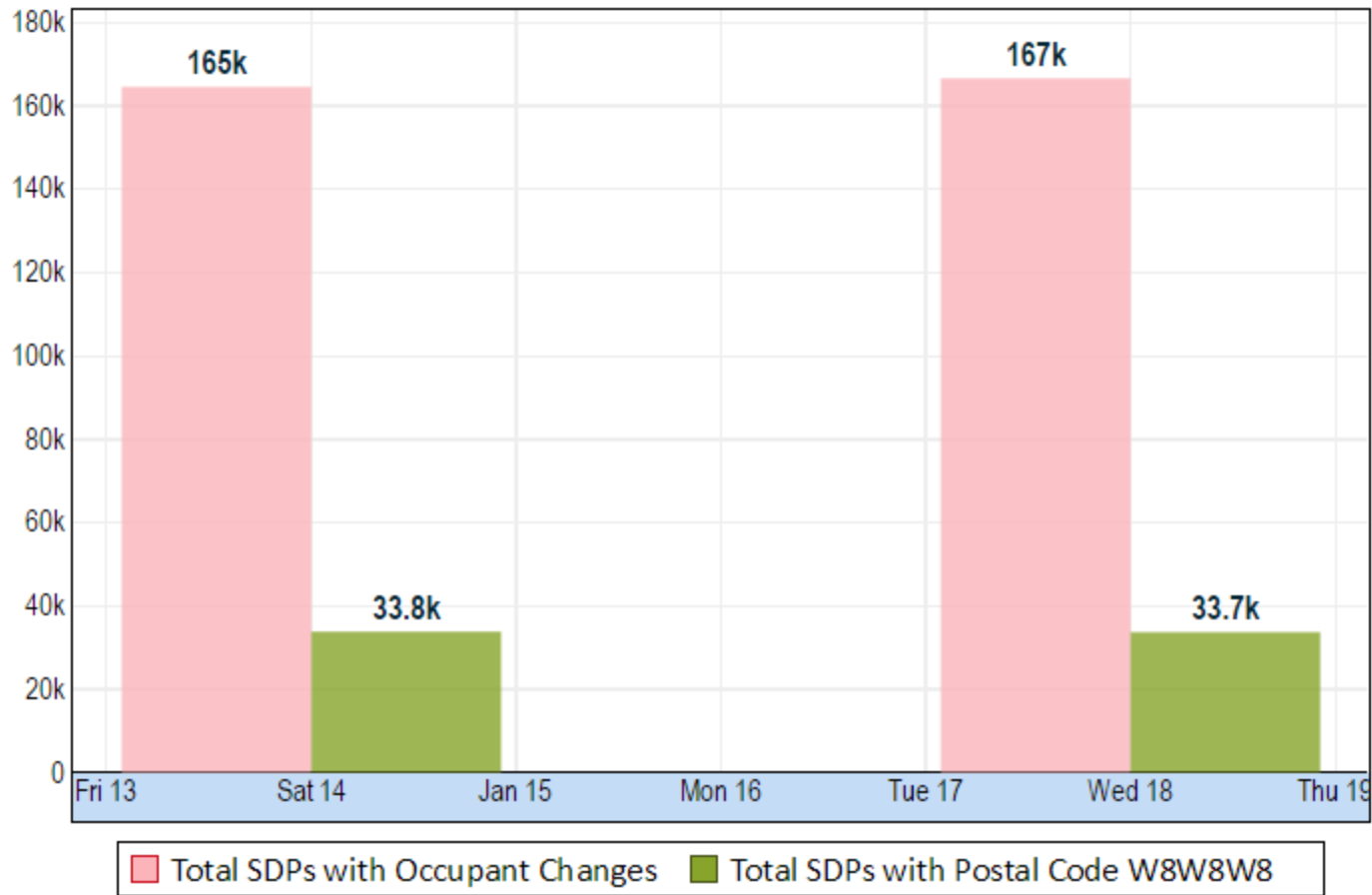
New Data Elements Collection and Reporting Update

LDC Project Progress Reporting – Statistics



Data as of January 18th, 2017

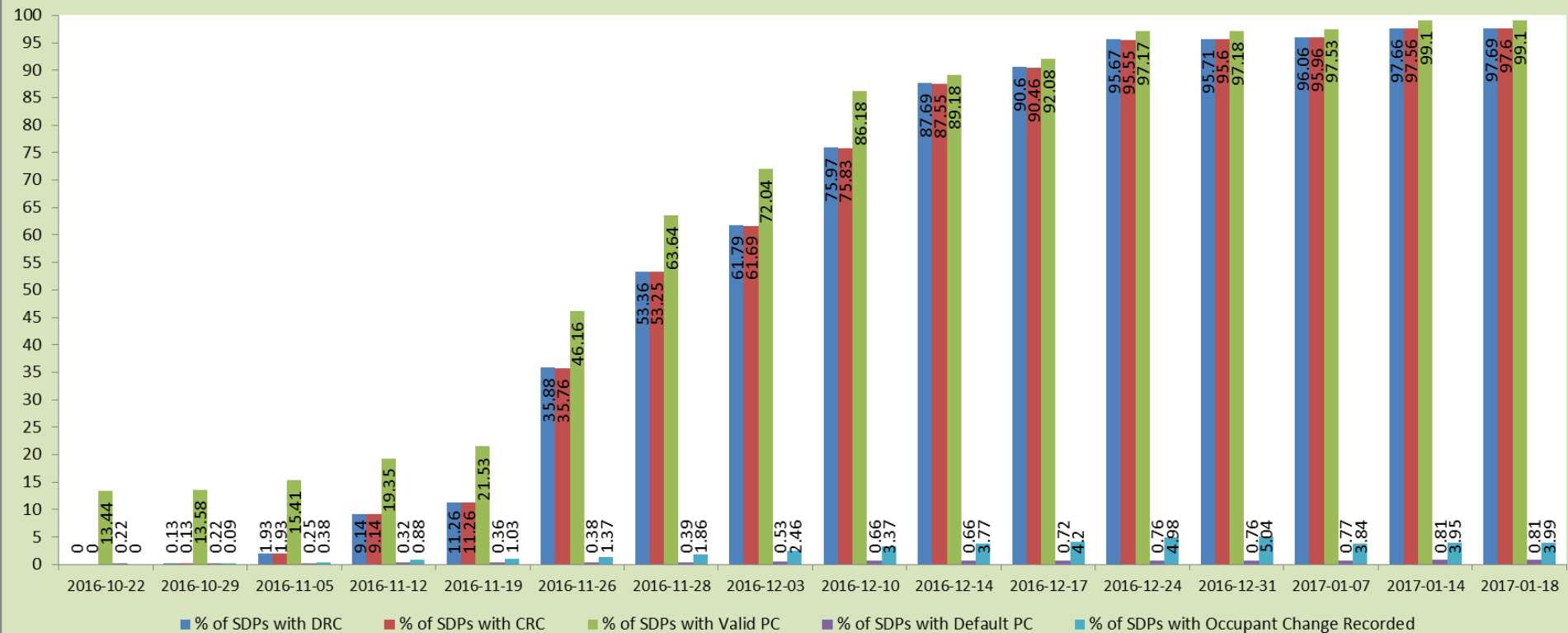
LDC Project Progress Reporting – Statistics



Data as of January 18th, 2017

LDC Project Progress Reporting – Statistics

Progress Timeline of OEB Order Implementation



Data as of January 18th, 2017

LDC Project Progress Reporting – Status by LDC

LDC NAME	ACTIVE SDP COUNT	% of SDPs with Distributor Rate Class	% of SDPs with Commodity Rate Class	% of SDPs with Valid Postal Code
Thunder Bay Hydro Electricity Distribution	50,502	1.75%	1.76%	99.21%
Lakeland Power Distribution	13,287	87.04%	87.04%	87.06%
E.L.K Energy Inc.	11,239	0.00%	0.00%	0.06%
Kenora Hydro	5,591	1.61%	1.41%	14.47%
Fort Frances Power Corporation	3,738	1.02%	1.02%	8.75%
Sioux Lookout Hydro	2,745	1.17%	1.17%	14.64%
Atikokan Hydro Inc.	1,654	0.67%	0.67%	100.00%
Hydro 2000 Inc.	1,225	99.43%	99.43%	85.88%

Data as of January 18th, 2017

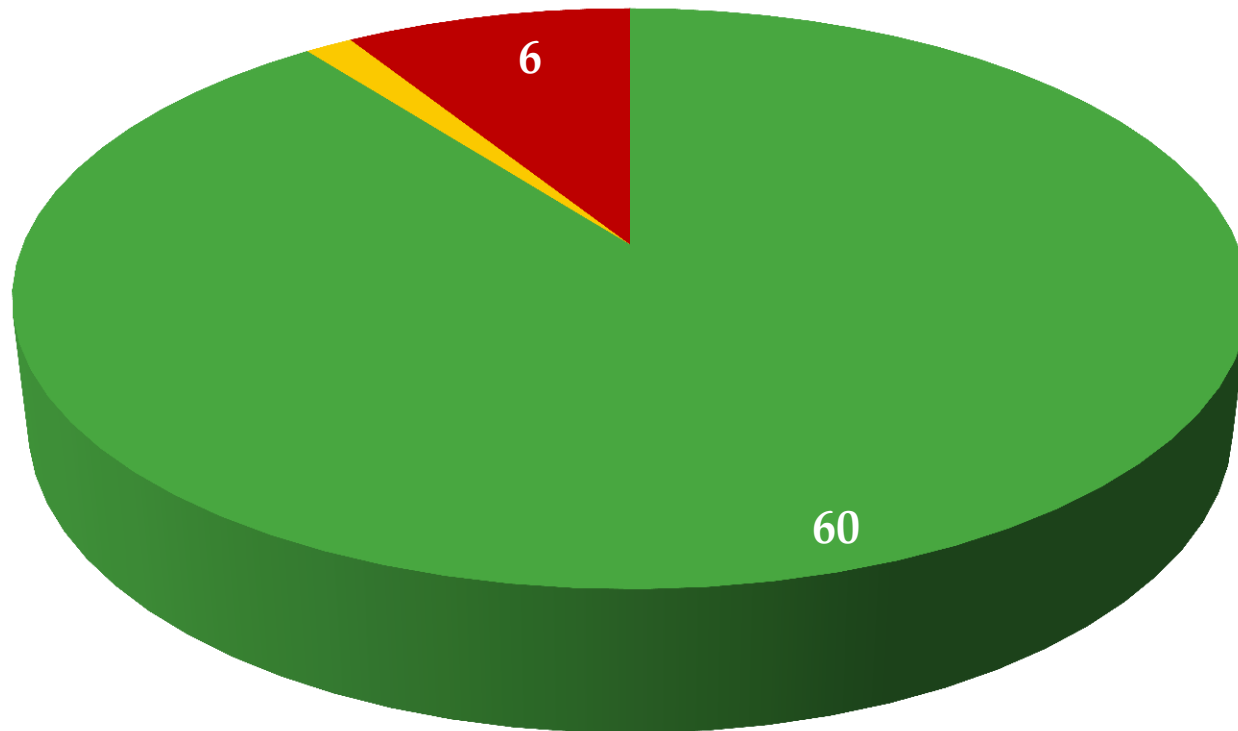
	Data Elements < 70%
	Data Elements >= 70% and < 95 %
	Data Elements >= 95%

LDC Project Progress Reporting – Status by LDC

LDC NAME	Active SDPs	Active SDPs with “999” as DRC	Active SDPs with “999” as CRC	% SDP with “999” as DRC	% SDP with “999” as CRC
Brantford Power Inc.	39084	1	0	0.00%	0.00%
Guelph Hydro	53969	2	2	0.00%	0.00%
Tay Hydro	4205	3	3	0.07%	0.07%
Centre Wellington Hydro Ltd.	6746	5	5	0.07%	0.07%
Welland Hydro	22805	12	12	0.05%	0.05%
Orangeville Hydro Limited	11924	70	70	0.59%	0.59%
Hydro One Brampton	155630	117	117	0.08%	0.08%
Orillia Power Corporation	13533	128	128	0.95%	0.95%
Newmarket Hydro	31075	148	122	0.48%	0.39%
Niagara-on-the-Lake Hydro	9283	181	181	1.95%	1.95%
Niagara Peninsula Energy Inc.	53287	426	426	0.80%	0.80%
Energy+ Inc.	63962	895	895	1.40%	1.40%

Data as of January 18th, 2017

LDC Project Progress Reporting – Status by LDC



■ Complete ■ Partial ■ Incomplete

LDC Support – Monthly Report

- Starting on Tuesday January 3rd, 2017 tickets were generated for 61 LDCs that included a report with the actual list of SDPs missing any of the following fields:
 - Distributor Rate Class
 - Commodity Rate Class
 - Valid Postal Code
- If unresolved by the LDCs by the end of the month, those tickets will be closed, and new tickets with an updated report will be generated in early February.

Communications Calendar, Project Timeline and LDC Support Update

Communications Calendar Update – Phase 1

Communications Channel	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
Working Group Meetings	✓	✓	✓	✓	✓	cancelled	✓	✓	✓	✓	Jan 19
IESO Stakeholder Engagement Website		✓	✓	✓	✓		✓	✓			
IESO Stakeholder Advisory Committee			✓			✓		✓			
IESO Webinars			✓	✓	✓				✓		
IESO LDC Event							✓				
EDA Website / eBlast		✓	✓	✓	✓	✓	✓	✓	✓	✓	
EDA LDC Surveys		✓				✓					
SSC Meetings/LDC Open Calls	✓			✓			✓		✓		
MDM/R Technical Panel Meetings					✓				✓		
GO LIVE Communication										✓	✓

Completed

Project Timeline – Status Update – Phase 1

Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	
Early meetings with various groups	Working Group Formed and Kick off Meeting	Ongoing Working Group Meetings										
Privacy vendor selection and contract negotiations	Conceptual Re-Identification Risk Determination Analysis Report received June 2016	Development of 3 rd Party Access Framework					SME License Application & P Plan	LDC Support	Go Live			
Technical Scoping & Requirements	Development and SME internal testing of the new MDM/R code	New MDM/R code deployed to MDM/R Sandbox environment		LDCs' testing	New MDM/R code deployed to MDM/R Production environment with Validation for new SDP Parameters excluding Postal Code							

Completed

SME Third Party Access Implementation Plan

2017

2018

Q1 – Q3 2017

Refine Implementation Plan

- Collection of the new data elements
- Further develop business processes and functional/non-functional requirements
- Further develop the Data Governance framework and overall Project Governance
- Costing analysis / financial modeling
- Develop training & extended communication plans for LDCs and Third Parties
- Develop TPA Pilot Plan

Q2 2017 – Q2 2018

Testing, Validation and Evaluation

- Privacy Assessment – Phase 2
- Technical solutions procurement , testing and deployment
- Data Governance policies in place
- Finalize Legal Agreements
- Piloting Third Party requests
- Conduct Third Party training
- Refine and validate processes based on pilot feedback
- Finalize the Program Evaluation strategy
- Develop Audit plans (internal and external)
- Publishing of first aggregated public reports

Q1 - Q4 2018

Full Implementation

- Full launch of Third Party Access
- On-going process and operational improvements
- Implement audit plans
- Issuing of mandatory operational and financial reporting
- Continue supporting Third Party requests, and incorporate learnings
- Initiate annual Strategic Planning and Operation Enhancements cycle (2019)

Communications Calendar Update – Phase 2

Communications Channel	Jan - 17	Feb - 17	Mar -17	Apr - 17	May - 17	Jun - 17	Jul - 17
Working Group Meetings	Jan 19 th	Feb 24 th	Mar 29 th	Apr 28 th	May 25 th	Jun 26 th	Jul 28 th
IESO Stakeholder Engagement Website							
IESO Stakeholder Advisory Committee							
IESO Webinars							
EDA Website / eBlast							
EDA LDC Surveys							
SSC Meetings/LDC Open Calls							
MDM/R Technical Panel Meetings							
GO LIVE Communication							

Third Party Access – Use Cases Samples

- Municipal Energy Plan (MEP) data
 - Three files aggregated by postal code for Interval, Commercial and Residential consumption
- Requests from customers or Energy Consulting companies for the following:
 - Request for one service point.
 - Request for multiple service point within the same building
 - Request for multiple service points within a campus i.e. universities, hospitals government buildings
 - Request for multiple services within our service territory i.e. franchise retail stores, department stores, major landlords

NOTE: these requests are for each metered point (not aggregated) and for a single entity

- Annually Evaluation, Measurement and Verification (EMV) Review for Peaksaver utilizing Interval data.

Third Party Access – Use Cases Samples

- TOU Impact Analysis utilizing Interval data.
- Adhoc Academic Studies
- Municipality request for load information by customer class for creating a “green plan”
- Baseline Data Study requesting the following information:
 - Electricity Use by Sector
 - Municipality, Wholesale Purchases, Electricity Use by sector (Residential, GS < 50 kW, GS > 50 kW and Street Lighting)
 - Electricity Use by Community Sector Municipality
 - Residential, Apartments, Commercial and Industrial

Third Party Access – Use Cases Samples

- Aggregated monthly consumption (kWh) by postal code and/or LDC for all of Ontario from 2009-current.
- Individual but anonymized monthly consumption (kWh) for commercial customers by postal code for all of Ontario from 2009-2014.
- Individual but anonymized hourly or daily consumption (kWh), and customer type (e.g., residential, commercial) by postal code for a particular LDC's service area for the past 24 months.
- Non-consumption data such as size of premises, disconnection status, billing status

Meeting Conclusions and Next Meeting Planning

Agreements and Meeting Conclusions

- The SME will continue to follow up with the LDCs who have not sent their data yet and offer any assistance to complete that submission. In addition, a reminder will be sent to all LDCs of the new “999” value for the DRC and CRC that may help them get to a 100% compliance.
- The SME will send meeting notices for the upcoming meetings (February to July)
- The SME will summarize the use cases that were submitted by members of the Working Group into a single document, provide a scope definition document and make it available to the members well ahead of the February 24th meeting.

Thank You!