

# Smart Metering Entity (SME) Licence Order Working Group

Meeting # 10

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November 29<sup>th</sup>, 2016

Call-In Numbers:

Local: (416) 915-8942

Toll Free: 1 855 244-8680

# Agenda

- SME Licence Renewal Update
- New Data Elements Collection and Reporting Update
- Communications Calendar, Project Timeline and LDC Support Update
- Meeting Conclusions and Next Meeting Planning

# SME Licence Renewal Update

# SME Licence Renewal – Summary

- The SME submitted its Licence Renewal application on September 30<sup>th</sup> 2016.
- OEB issued its Decision & Order EB-2016-0284 on November 24<sup>th</sup> 2016, as follows:
  - SME licence is renewed for a 5 year term (till December 31<sup>st</sup> 2021)
  - The OEB is overall satisfied with the SME's implementation plan
  - The OEB finds, however, that its approval of the SME/LDC Agreement is no longer necessary

# SME Licence Renewal – Order Details

- The Smart Metering Entity shall, effective January 1, 2017, collect from LDCs the following information associated with each meter (modified where necessary to sufficiently render it non-personal information):
  - a) The full (six character) postal code.
  - b) The distributor rate class.
  - c) The commodity rate class.
  - d) The occupancy change date generalized to a single year.

# SME Licence Renewal – Order Details (cont'd)

- Amends section 3.2 of the Smart Metering Entity Licence:  
“The Licensee shall require licensed Distributors to provide information associated with each meter (modified where necessary to sufficiently render it non-personal information) as required by the Licensee in order to ensure that the Licensee is able to effectively and reliably carry out its mandate.”
- Requires that the Smart Metering Entity, in accordance with Section 8 of its licence, shall provide a report to the OEB summarizing each licensed distributor’s compliance with providing the information required by the SME during the previous calendar year.

# SME Licence Renewal – Acknowledgment

*“The OEB acknowledges the joint effort and commitment made by the IESO, the SME, the LDCs, and all of the other participants of the working group, towards the successful implementation of the Order within such tight timelines”*

# New Data Elements Collection and Reporting Update



# IPC's Letter – Background

- The IPC issued a letter to the IESO on November 28<sup>th</sup>, 2016 to provide their comments on the Conceptual Phase of IESO's De-identification Strategy for Smart Meter Data.
- The letter provides a background section that summarizes the inception of this project:
  - It summarizes the OEB Order and the objective of enhancing the value of the data in the MDM/R
  - It highlights privacy in the context of the Order: “information be modified where necessary to sufficiently render it non-personal information”

# IPC's Letter – IESO's Strategy

- *“the IESO developed a strategy, in consultation with this office, to address the privacy requirements. The IESO retained the services of a privacy consultant, Privacy Analytics Inc., and established a strategy for de-identifying the smart meter data stored in the MDM/R in two phases:*
  - 1) *a conceptual phase in which assumptions about the re-identification risks of the smart meter data are made and a preliminary de-identification strategy is formed based on these assumptions; and*
  - 2) *a data-based phase in which the actual set of smart meter data collected by the IESO is analyzed and a finalized de-identification strategy is formed based on this analysis.”*

## IPC's Letter – Addressing the CLD's concern

- The IPC acknowledged that the IESO shared the summary of the conceptual phase of its de-identification strategy with the IPC in June as well as the full version of the report in September.
- *“Based on our initial review and concerns raised by some LDCs regarding the re-identification risk to individuals who live in postal codes with a single residential dwelling, the report was amended.”*

## IPC's Letter – Comments

*“We are satisfied that the data masking and de-identification recommendations made in the Risk Determination would render the additional fields of smart meter data disclosed by LDCs to the IESO non-personal information, subject to the following conditions:*

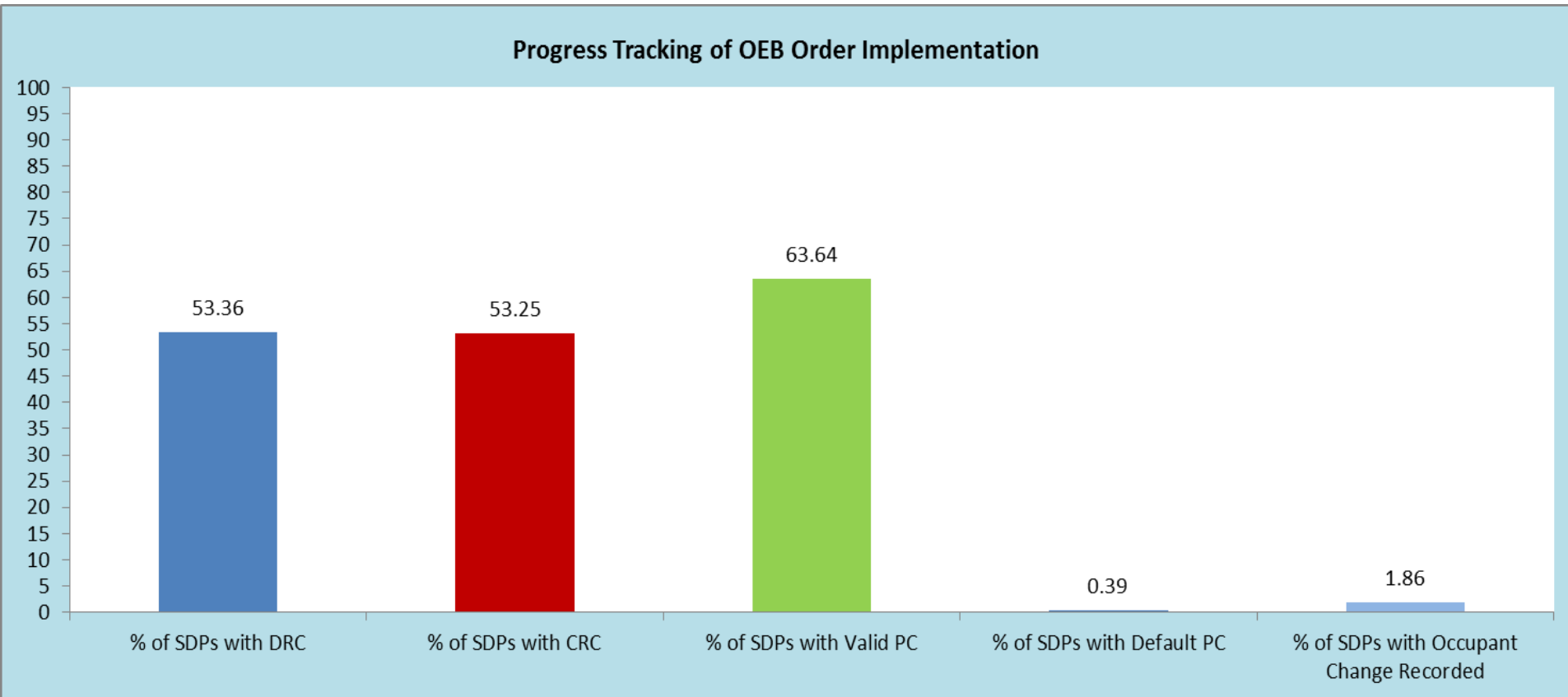
## IPC's Letter – Comments (cont'd)

- 1. The IESO will collect and store this information for a six-month period. It will not analyze the information or disclose it to any third parties during this time.*
- 2. After the six-month period, the IESO will reassess the re-identification risk of the smart meter data. Based on this data-driven assessment, it will update its collection practices, as needed, and develop a de-identification protocol for disclosures to third parties.*

## IPC's Letter – Comments (cont'd)

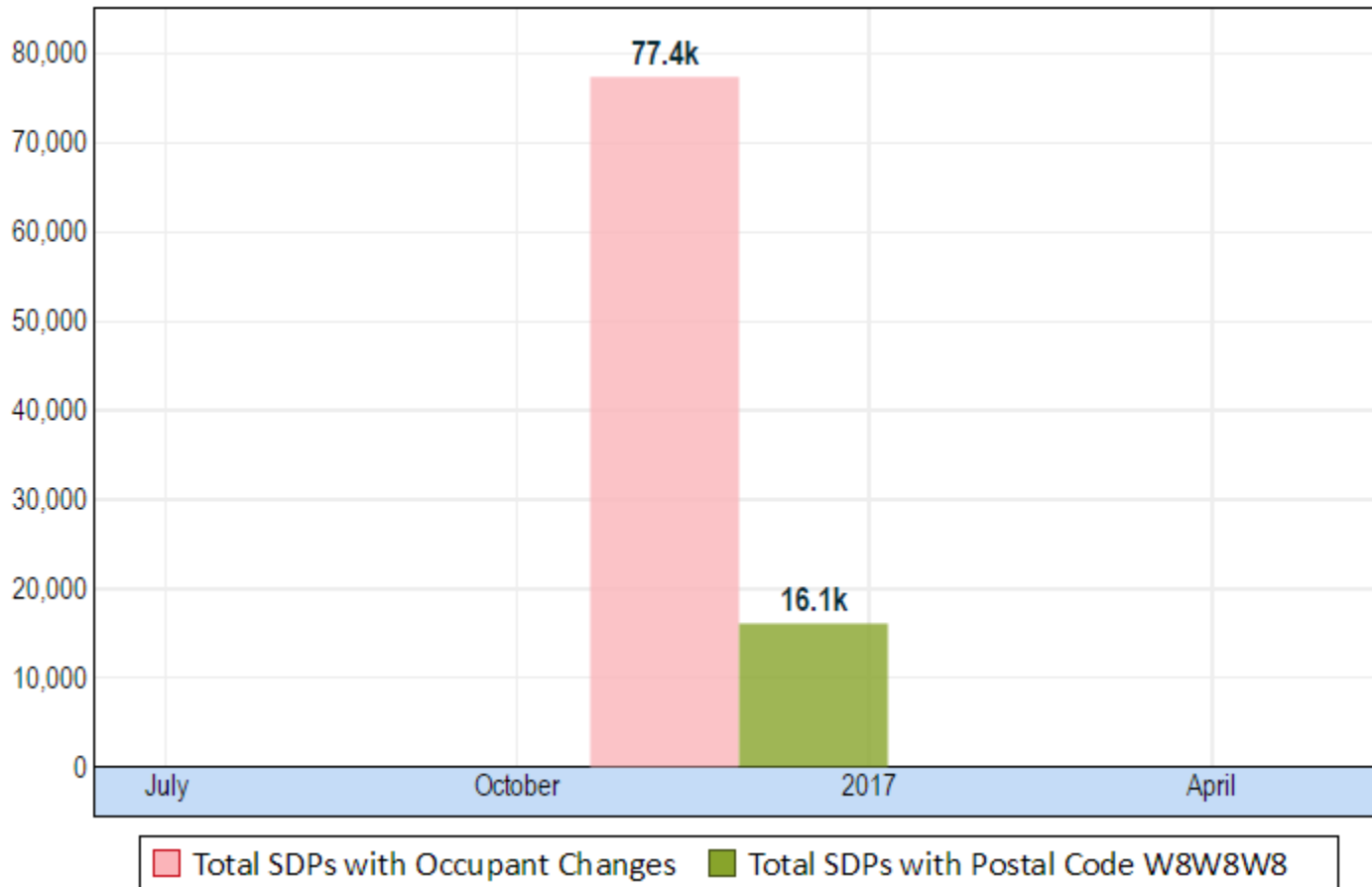
- 3. The IESO will not make any decisions about further collection, use or disclosure of smart meter data until this office has reviewed the IESO's updated de-identification strategy at the end of the six-month period.*
- 4. The IESO will continue to work with us to ensure that individual privacy is protected at all stages of the project."*

# LDC Project Progress Reporting – Statistics



Data as of November 28<sup>th</sup>, 2016

# LDC Project Progress Reporting – Statistics

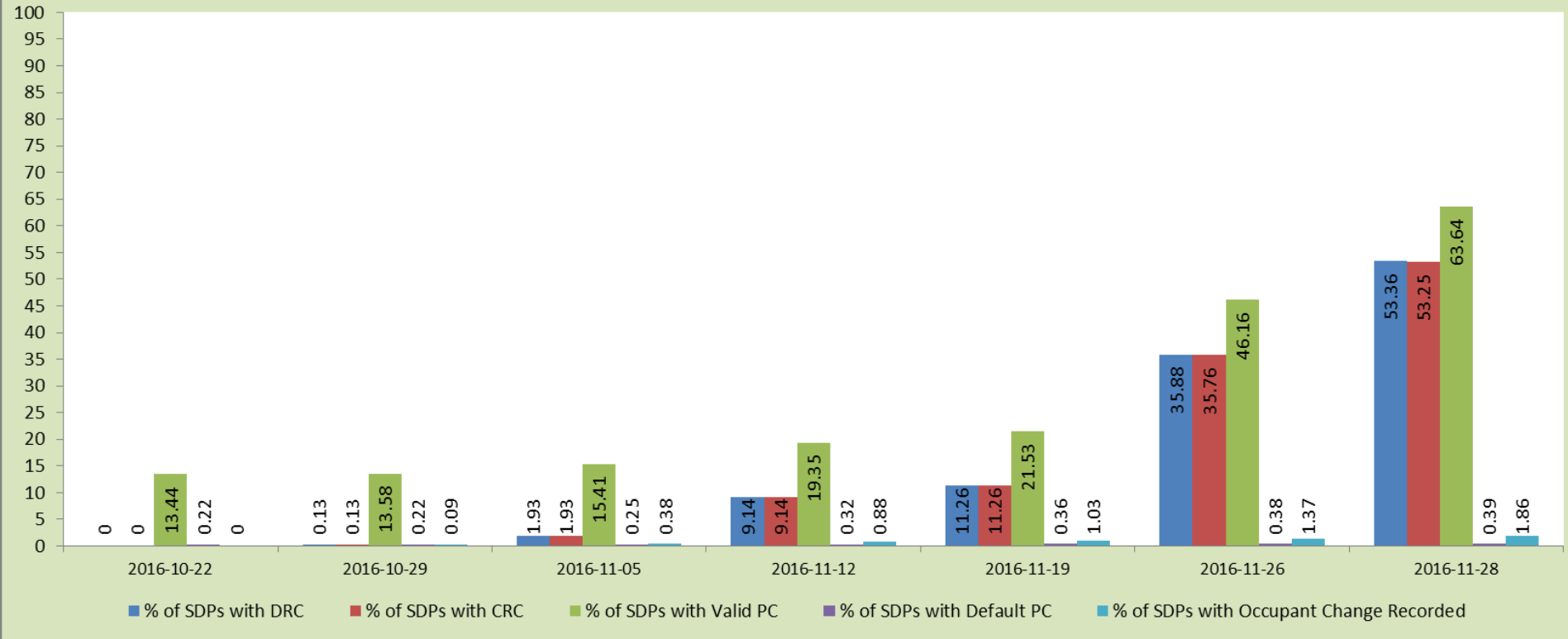


Data as of November 28<sup>th</sup>, 2016



# LDC Project Progress Reporting – Statistics

Progress Timeline of OEB Order Implementation



Data as of November 28<sup>th</sup>, 2016

# 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
Wellington North Power Inc.	3,718	100.00%	100.00%	100.00%
Hydro Ottawa Ltd.	324,363	100.00%	98.52%	99.99%
Kingston Electricity Distribution Ltd.	27,496	99.99%	99.99%	100.00%
Hydro One Networks Inc.	1,176,243	99.99%	99.99%	99.99%
London Hydro	153,737	99.99%	99.96%	99.99%
Wasaga Distribution Inc.	13,309	99.98%	99.98%	99.97%
Midland Power Utility Corp.	7,124	99.96%	99.96%	99.96%
Northern Ontario Wires Inc.	5,979	99.92%	99.92%	99.92%
Halton Hills Hydro Inc.	21,840	99.88%	99.88%	99.98%
West Coast Huron Energy Inc.	3,802	99.82%	99.82%	99.89%
Burlington Hydro Inc.	65,708	99.81%	99.81%	99.84%
Bluewater Power Distribution Corp.	36,178	99.55%	99.53%	100.00%
Collus Power Corp.	16,904	99.15%	99.15%	99.96%
Hydro One Brampton	155,093	98.89%	98.89%	99.96%
Energy+ Inc.	63,893	98.57%	98.57%	99.99%
Waterloo North Hydro Inc.	56,321	98.18%	98.19%	100.00%
ENWIN Utilities	88,252	98.01%	98.01%	99.99%

Data as of November 28<sup>th</sup>, 2016

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

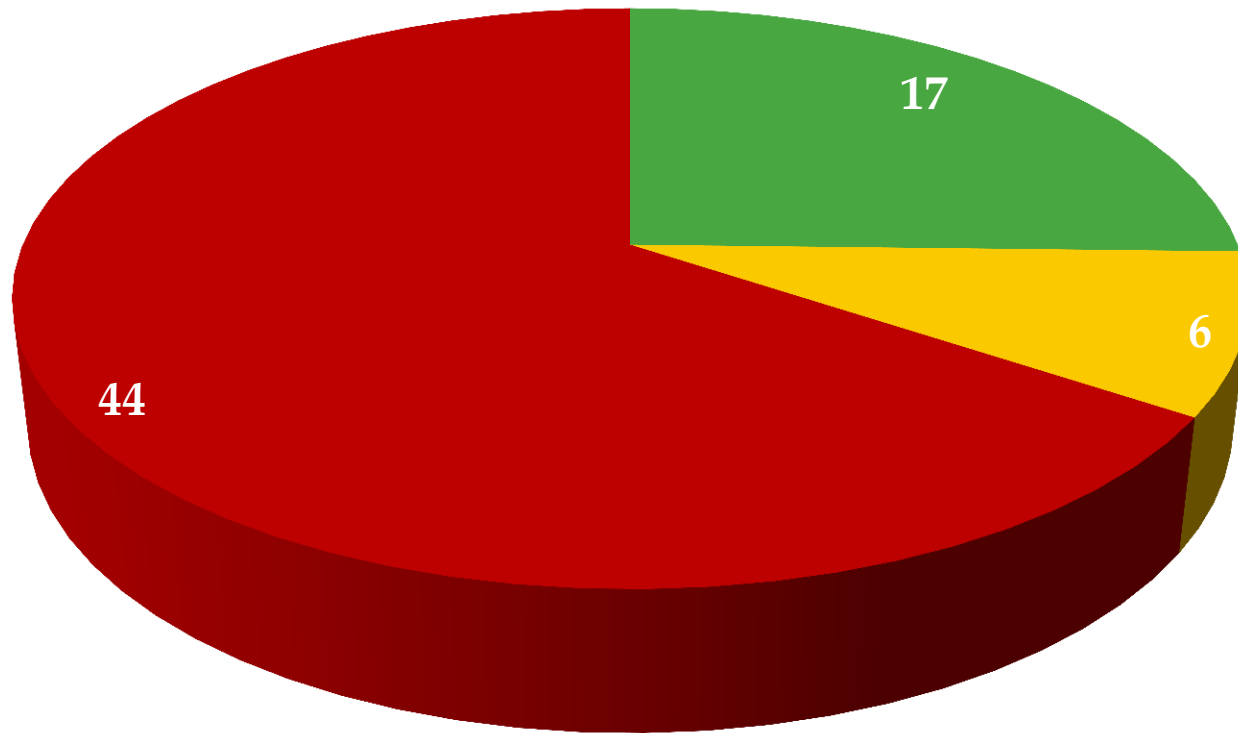
# LDC Project Progress Reporting – Status by LDC

LDC NAME	ACTIVE SDP COUNT	% of SDPs with Distributor Rate Class	% of SDPs with Commodity Rate Class	% of SDPs with Valid Postal Code
Chapleau Public Utilities Corp.	1,255	0.08%	0.08%	100.00%
Powerstream	341,963	0.00%	0.00%	92.81%
Atikokan Hydro Inc.	1,653	0.00%	0.00%	100.00%
Niagara Peninsula Energy Inc.	53,150	0.00%	0.00%	81.64%
Thunder Bay Hydro	50,468	0.00%	0.00%	96.55%
Hearst Power Distribution Company Ltd.	2,668	0.00%	0.00%	87.03%

Data as of November 28<sup>th</sup>, 2016

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

# LDC Project Progress Reporting – Status by LDC



■ Complete   ■ Partial   ■ Incomplete

# Communications Calendar, Project Timeline and LDC Support Update

# Communications Calendar Update

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	✓	✓	Nov 29	Dec 15	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											

# Project Timeline – Status Update

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 <sup>rd</sup> Party Access Framework				SME License Application & TPA 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				

# LDC Support – Monthly Report

- Starting in January 2017, on a monthly basis, a ticket will be generated on the first business day of the month that will include a report with:
  - The actual list of SDPs missing any of the three fields (Distribution Rate Class, Commodity Rate Class or a valid Postal Code)
- Those tickets will only be generated for LDCs who have missing elements.
- If the LDC does not resolve the ticket in 30 days, the ticket will be automatically closed and a new one will be generated for the following month.
- The SME will be prepared to provide the non-compliant USDP report to LDCs who submit all their data but the Dashboard indicates less than 100% compliance earlier than January.



# Meeting Conclusions and Next Meeting Planning

# Agreements and Meeting Conclusions

- One correction to the minutes from the previous meeting was noted and will be corrected.
- The SME will share the IPC letter with the Working Group members.
- The SME will investigate the best approach to extend the SME LDC Agreements to coincide with the new licence term and will review the approach with the SSC members.
- The monthly detailed report has been developed and will be generated for those LDCs that request it prior to January 1<sup>st</sup> as long as they have completed the submission of the additional data elements.

# Thank You!