



NETWORKS



Market Release v13.00.00 Cutover Approach

10th July 2020



Overview

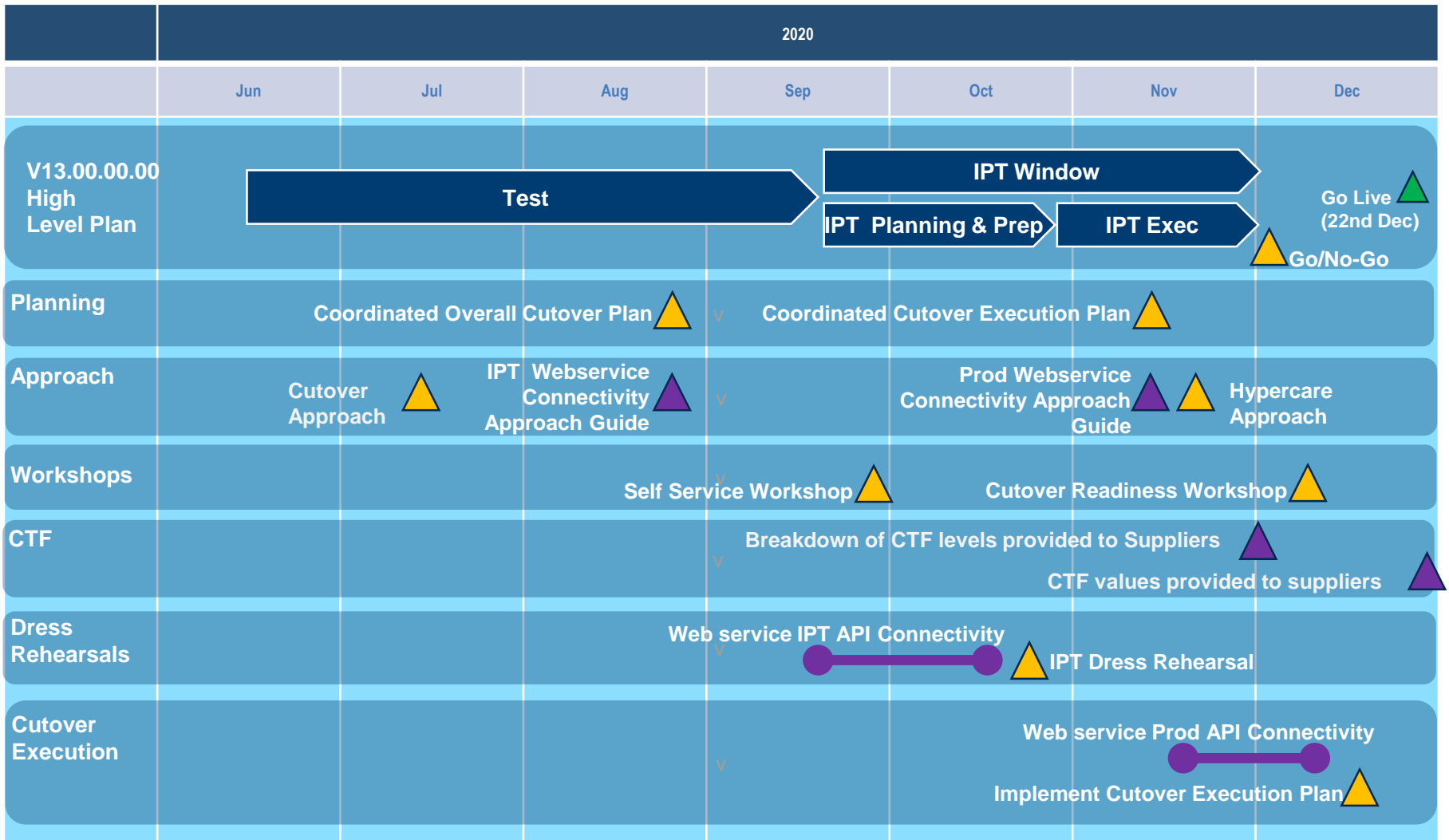
- This pack describes the cutover approach for Market Release v13.00.00
- This release is due to go live in December 2020 under phase 1 of NSMP
- A number of agreed Schema and Non Schema changes will be delivered in this release (see *Appendix A*)
- Timely and effective collaboration is required between ESN, Market Participants, NIE Networks, Gemserv, Neueda and ReMCoDS to ensure success of IPT and cutover timelines
- Market Participants are expected to be ready to make any necessary changes on their own systems

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Cutover Roadmap



Cutover Roadmap



Date	Milestone	Notes	Impacts	Type
10 July 2020	Cutover Approach	<ul style="list-style-type: none"> Approach to v13.00.00 cutover 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Document
17 July 2020	IPT Webservice Connectivity Approach Guide	<ul style="list-style-type: none"> Approach & Instructions for technical connectivity of Webservice API (IPT) 	<ul style="list-style-type: none"> ROI Only 	<ul style="list-style-type: none"> Document
28 August 2020	Coordinated Overall Cutover Plan	<ul style="list-style-type: none"> Plan with high level dates for activities and documents in Cutover roadmap 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Document
07 September to 09 October 2020	Webservice IPT API Connectivity	<ul style="list-style-type: none"> Each supplier completes connectivity to IPT Webservice API in advance of IPT Execution Technical connectivity only (No data will be retrieved from Retail Market system) 	<ul style="list-style-type: none"> ROI Only 	<ul style="list-style-type: none"> Activity
September 2020 (TBC)	Retail Market Participants Self Service Workshop	<ul style="list-style-type: none"> Workshop with Retail Market Participants to walk through the 'self service' approach for v13.00.00 schema deployment Attendance mandatory Dates to be confirmed in Coordinated Overall Cutover Plan 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Activity

Cutover Roadmap



Date	Milestone	Notes	Impacts	Type
September to October 2020	IPT Dress Rehearsal	<ul style="list-style-type: none"> Dress Rehearsal (practicing deployment steps) in advance of IPT execution, allowing suppliers to deploy v13.00.00 schema on their IPT Test systems 2 weeks before IPT execution 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Activity
20 November 2020	Coordinated Cutover Execution Plan	<ul style="list-style-type: none"> Plan with key market tasks with dates/timings for cutover execution 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Document
November 2020 (TBC)	Prod Webservice Connectivity Approach Guide	<ul style="list-style-type: none"> Approach & Instructions for technical connectivity of Web service API (Prod) Dates to be confirmed in Coordinated Cutover Execution Plan 	<ul style="list-style-type: none"> ROI Only 	<ul style="list-style-type: none"> Document
November and December 2020 (TBC)	Webservice Prod API Connectivity	<ul style="list-style-type: none"> Each supplier completes connectivity to Production Web service API in advance of Market outage. Technical connectivity only (No data will be retrieved from Retail Market system) Dates to be confirmed in Coordinated Cutover Execution Plan 	<ul style="list-style-type: none"> ROI Only 	<ul style="list-style-type: none"> Activity
November 2020 (TBC)	Hypercare Approach	<ul style="list-style-type: none"> Approach to describe the period post go live Dates to be confirmed in Coordinated Cutover Execution Plan 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Document

Cutover Roadmap



Date	Milestone	Notes	Impacts	Type
December 2020 (TBC)	Retail Market Participants Cutover Readiness Workshop	<ul style="list-style-type: none"> Workshop to walkthrough cutover activities and assess entry criteria Dates to be confirmed in Coordinated Cutover Execution Plan 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Activity
December 2020 (TBC)	Breakdown of CTF levels provided to Suppliers	<ul style="list-style-type: none"> High Level details of CTF levels Dates to be confirmed in Coordinated Cutover Execution Plan 	<ul style="list-style-type: none"> ROI Only 	<ul style="list-style-type: none"> Document
18 to 22 December 2020	Implement Cutover Execution plan	<ul style="list-style-type: none"> Cutover Execution for v13.00.00 	<ul style="list-style-type: none"> Coordinated 	<ul style="list-style-type: none"> Document
31 December 2020	CTF values provided to suppliers	<ul style="list-style-type: none"> CTF values for each MPRN (one off) 	<ul style="list-style-type: none"> ROI Only 	<ul style="list-style-type: none"> Document

Market Release v13.00.00 – Entry Criteria



Criteria	Owner
Inter Participant Testing (IPT) Execution complete	Gemserv /Neueda, ReMCoDS
Coordinated Cutover Plan published to Market Participants	ReMCoDS
Hypercare approach published	ESBN/NIEN
Issue Final Assurance Outcome Report to CRU/UR	Gemserv, Neueda
Go/No Go decision	CRU, UR

High Level Cutover Approach



➤ The cutover window is made up of three stages:

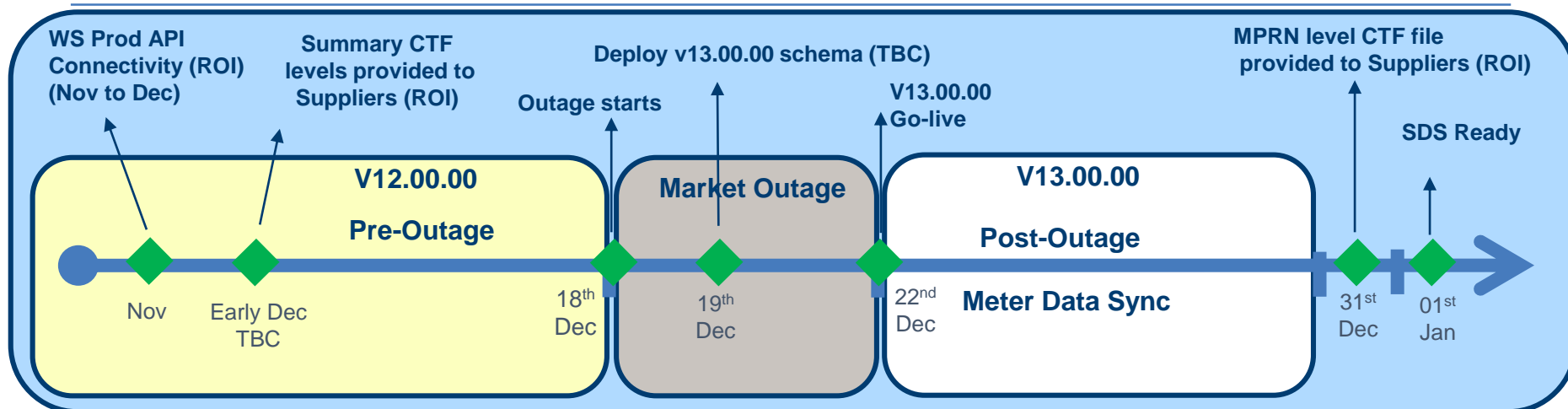
1. Pre Outage
Activities to be completed prior to the market outage including:
 - Breakdown of CTF levels provided to Suppliers(ROI Only)
 - MPRN Webservice technical connectivity (ROI Only)
 - Managing Work in progress v12.00.00 Market Messages
2. Market Outage *(3-4 days)
The deployment of v13.00.00 schema on Retail Market Systems
3. Post Outage *(6-7 days)
Syncing of Smart meter data between Retail Market and AMI systems (ROI)

➤ Further detail on key activities for Market Participants is described later in the pack

** These durations are indicative and will be agreed at a later date by ESNB pending completion of dress rehearsals and communicated in the Coordinated Overall Cutover Plan in Aug-20. Any revisions will be communicated as part of the Coordinated Cutover Execution Plan in Nov -20*

High Level Timeline

WS SDS MPRN Enquiry Web service (ROI)
Smart Data Services (ROI)



The key dates as per agreed market outage are as follows:

Market Outage commences	Fri 18 th Dec 18:00 hrs (COB)
v13.00.00 schema deployed by Suppliers	Sat 19 th Dec
Market outage expected to finish <i>v13.00.00 operational, Smart Data Services should not be requested by Suppliers until Jan 2021</i>	Mon 21 st Dec
Smart Data Services Ready (ROI) <i>This is dependent on completion of smart meter sync and CTF file generation</i>	Fri 01 st Jan (Please note this is a bank holiday, the first working day of 2021 is Monday 4 th of January)

Dates will be confirmed following Dress Rehearsals and published in Coordinated Overall Cutover Plan and Coordinated Cutover Execution plan

Contingency and Rollback

- During market outage, regular progress updates will be provided to Market Participants by ReMCoDs
- In the event of issues being encountered during the cutover, the approach adopted will be a 'fix forward' approach (i.e. attempt to fix issue(s) and progress forward)
- A rollback to original state (i.e. v12.00.00) may be required in situation where issues cannot be resolved within the agreed market outage
- A rollback can only be invoked up until a certain point . This Point of no return will be identified as part of Overall Cutover Execution Plan. After this point 'fix forward' approach applies to resolve issues
- Changes made on supplier EMMA/webforms can be rolled back using the same self service option, if a decision to roll back is made
- In event of rollback, the contingency plan is to start cutover market outage on Saturday 26th *December 2020* (as per option 2 previously communicated)
- ESNB have contingency plan to execute the cutover remotely in event Covid-19 restrictions. It is expected that the Market Participants will be able to support the cutover remotely if required

Market Messages – Transition to v13.00.00



To ensure transition from v12.00.00 to v13.00.00 schema the following is required:

- In advance of market outage (i.e. during w/c 14th December), mandatory confirmations of completed v12.00.00 Market Messages reconciliations from suppliers should be provided to ReMCoDs
- The Overall Coordinated Cutover Plan published by ReMCoDs in August will provide
 - Information on managing transition of Work In Progress messages from v12.00.00 to v13.00.00
 - Detail on new Market Messages and new fields on existing messages from and to suppliers

V13.00.00 Schema Deployment



- Retail Market Participant 'self service' approach will be used where suppliers deploy v13.00.00 schema to their own systems (test/production EMMA and webforms)
- This is the same approach used for Market Release v12.00.00 cutover (April 2019)
- ATOS will be available to support each supplier with this activity
- Market Participants will be given an allocated window to complete the deployment.
- It's likely this will be on Sat 19th Dec (*This is an indicative date and will be agreed at a later date by ESNB pending completion of dress rehearsals*)
- This approach will be practiced as part of a dress rehearsal in October 2020 in lead up to IPT execution
- Prior to this, a 'self service' workshop will be held to walkthrough the process and the necessary instructions will be provided
- Market Participants will need to ensure their internal organisations are properly prepared to implement the schema upgrade for IPT and cutover

- Connectivity to the production Web service solution will commence November/December 2020
- Timeslots will be agreed with each Supplier to complete this activity
- Connectivity approach guide will be shared in advance
- On successful connectivity, a message will be displayed to indicate 'success'
- It will not be possible to retrieve data from the Retail Market systems at this point. This will be enabled during the market outage window
- This approach will be practiced as part of a dress rehearsal Sept/Oct 2020 in lead up to IPT execution

Full details of Web service connectivity will be provided in the IPT and Production connectivity guides.

Meter Data Sync



- Following the deployment of the v13.00.00 schema, a period of time is required to sync Smart meter data between Retail Market and AMI systems
- This will be done as part of the post outage stage of cutover and is estimated to take 6-7 days
- This is specific to the ROI jurisdiction only and can be carried out while the Retail Market systems are operational
- The Market will be operational during this meter data sync window.
- From the time that v13.00.00 Schema is deployed until the Smart Meter data sync has completed, there are a number of Market Messages that will be rejected if they are submitted with SDS populated (see appendix B for details).
- Smart Data Services (SDS) can be requested:
 - Once the Smart Meter Data Sync is completed and ;
 - From Jan 2021 (in line with agreed Industry Positions)

Comms Technically Feasible (CTF)



- In early December, as part of the pre outage activities, Suppliers will be provided with a high level breakdown of CTF levels (count of MPRNs per CTF values) for Smart Meters that have completed the 30 day comms proving period. *This will be shared through RMDS (TBC)*
- On successful completion of the meter data sync, an MPRN level file of CTF values (effective from 01st Jan 2021) will be provided to suppliers
- ESN expect to share this file on 31st Dec 2020 after all open meter reading orders have been issued for that day
- The file format and sharing mechanism for CTF values file will be confirmed as part of Coordinated Cutover Plan in August
- Suppliers will require this file in advance of requesting Smart Data Services
- Subsequent updates to CTF values will be via MM114

Appendix A

The following Schema and non Schema MCRs will be delivered in Market Release v13.00.00

MCR	Description
MCR1157	Data Aggregation and Data Processing
MCR1158	Customer Data
MCR1159	Change of Supplier
MCR1160	Meter Works
MCR1161	New Connection
MCR1135	MPRN Enquiry web service
MCR0176	E-Mail Validation
<NI MCRs>	<No NI MCRs in agreed scope>

Appendix B

- Within the ROI jurisdiction, Smart Data Services (SDS) can be requested on the Market Messages listed below.
- These Market Messages will be accepted between Go-Live of v13.00.00 Schema and completion of the Smart Meter data sync, once they are not submitted with a request for Smart Data Services.
- A message that has passed all other validations but has SDS populated will be rejected with Reject Reason Code SCI.

Message No.	Message Description
010	Registration Request
013	Customer Details Change
016	Change Of Legal Entity
017	Meter Point Status Change Request (Note: SDS can be requested for Re-Energisation only)

- Example: 016 Change of Legal Entity
 - A valid 016 without SDS populated will be accepted
 - An 016 submitted with SDS populated e.g. request for CoLE and 01 Interval Smart Data Services / MCC12 will be rejected in its entirety