CMOS 10.0 Release Note

Version 1.14

02 March 2021

About this document

This paper sets out the scope and deployment arrangements for the CMOS release 10.0. The release is made up of approved Ofwat CPW and NCCs to enhance CMOS and the market codes together with a set of defect fixes.

As with other CMOS releases, Trading Parties will be expected to test the new functionality via the MPS2 environment. This Release will be deployed on 16th of April 2021 on MPS2 and 14th May 2021 in Production. Any observations relating to the technical implementation itself (i.e. potential defects) should be notified to the Service Desk.

MOSL fully recognises the need to provide clarity and forward visibility to the market regarding the scope of fixes, given the impact to local systems. This document will be updated at appropriate intervals as we move through development, testing and ultimate deployment of the release to Production. Updates will also be reflected in the regular publication of the Observations and Workaround logs and open to discussion at the Operations and Release Working Group (ORWG) and the weekly CMOS Operations calls during the test phase of the release.

Version History

Version	Update	Date
1.0	Initial CMOS Release 10.0 Note with the scope of the changes and defect fixes.	24 November 2020
1.1	ALMs added 976, 1181 and 1183. ALMs removed 1163. ALMs updated 1170, 1172 and 1175.	30 November 2020
1.2	ALMs added 1184 and 1185. ALMs updated 849, 1083 and 1162.	07 December 2020
1.3	ALM 453 added. ALMs 1164 and 1181 removed and ALMs 1169 and 1185 updated.	14 December 2020
1.4	Update to Section 2 and Section 4. ALMs 872 and 976 updated, ALM 1171 added.	30 December 2020
1.5	ALM 1188 and 1189 added.	06 January 2021
1.6	Update to section 2. ALMs 1190 and 1191 added. ALM 1158 updated.	11 January 2021
1.7	ALM 872 updated.	19 January 2021
1.8	ALM 973 removed (not a defect but a system enhancement that is with Market Design)	25 January 2021
1.9	ALM 559, 905, 1133, 1156, 1157, 1161, 1162, 1169, 1170 and 1172 updated. ALM 1145 removed.	01 February 2021
1.10	NCC023 added	04 February 2021
1.11	ALM 1198 added.	08 February 2021
1.12	ALM 1194 added.	15 February 2021
1.13	ALM 1196 added and updated ALM 1198.	23 February 2021
1.14	ALM 926 and 1201 added. ALM 1196 updated	02 March 2021

Contents

01 Timeline for Release 10.0

Date	Activity	Version
24 November	Initial CMOS Release 9.0 Note published, including confirmed CPW and NCCs and, defect fixes	1.00
16 April 2021	Deployment to MPS2	
30 April 2021	Patch drop MPS2	
7 May 2021 (+ 1-week contingency)	Targeted completion of Trading Party testing	
14 May 2021	Deployment to Production	
18 May 2021	Deployment to MPS	

02 Scope of Release 10.0

The following changes are confirmed for Release 10.0 and will come into effect on 14 May 2021:

ID	CPW/NCC	Title	Market Code Impact	CMOS Impact
1	CPW089	T101 Adding Billing Address fields	Yes	Yes
2	NCC016	Same Day Meter Readings Display	No	Yes
3	NCC017	Meter DPID Association History	No	Yes
4	NCC019	SPID status to be displayed on premises screen	No	Yes
5	NCC021	Addition of business transactions button on to search market information screen	No	Yes
6	NCC022	Meter Network Display	No	Yes
7	NCC023	SPID Tradability Check	No	Yes

1) CPW089 – This change seeks to improve the provision of customer billing information from Wholesaler to Retailer when creating new SPIDs. This will help to improve the efficiency of customer onboarding and facilitate SPIDs in becoming tradable more quickly. This in turn will help to reduce the number of vacant SPIDs. This change adds new data items to transaction T101.W 'Request New SPID' and its notification T102.M 'Notify New SPID'.

This will mean the following data items will be added:

Developer name details:

- Developer/Business name
- Customer Banner Name (if different from Customer Name)

Developer billing address fields:

- Billing Address Building Name
- Billing Address Line 1
- Billing Address Line 2
- Billing Address Line 3
- Billing Address Line 4
- Billing Address Line 5
- Billing Address Postcode
- Contact Name
- Contact Email
- Contact Number

The following data items are mandatory: Developer/Business name, Billing Address Line 1 and Billing Address Postcode and they will be included in T102.M. If they are not known, then the Wholesaler will have to fill in with "Not Known" otherwise the transaction will be rejected. The remaining data items are optional and will be included in T102.M if provided in T101.W.

Please note that although the new data item "Billing Address Postcode" is defined in CSD0301 as maximum 8 characters, this has been changed to a maximum of 9 characters to accommodate the Wholesaler submitting "Not Known" as per description above.

Once T156.R (Update Billing Address) is received and accepted, the following fields will be nulled:
Billing Address Building Name
Billing Address Line 1
Billing Address Line 2
Billing Address Line 3
Billing Address Line 4
Billing Address Line 5
Billing Address Postcode

Once the T132.R (Submit Core Customer Data) is received and accepted, the following fields will be nulled:
Developer/Business name
Contact Name
Contact Email
Contact Number

2) NCC016 – This change will add a mechanism for CMOS to display all readings within the meter readings screen on the CMOS Portal.

Within CMOS there are various scenarios that allow for different types of meter readings to use the same date. The issue is that when this happens, both meter readings are accepted but the first one is retired. This occurs due to the Meter Read Date being part of the primary key for meter readings, so it is not possible in the CMOS BiTemporal model

to have two-meter readings with the same read date, resulting in the first read being retired. Therefore, this change will allow the visualisation of all meter readings (included retired ones).

On the meter reads table on the CMOS Portal, the column field "Erased" will be renamed to "Retired" and will display 'Y' for retired and 'N' for active, so trading parties may easily distinguish which reads are active and used for settlement.

3) NCC017 – This change will allow the expansion of Meter / DPID association displays to show a historic meter / DPID association on CMOS Portal.

When a period of Meter-DPID association is split up by a period of disassociation, the CMOS portal only displays the latest record, rather than all periods of association. This can occur when a period of meter-DPID association (from EFD: 2018-04-01 to ETD: 2019-02-01) is split by a TCORR124.W (with EFD: 2018-06-01 and ETD: 2018-07-01). This leaves two periods of meter-DPID association from 2018-04-01 to 2018-06-01, and 2018-07-01 to 2019-02-01). It can also occur when a new Meter-DPID association is added at a DPID which had a previous association. In both cases the CMOS portal currently displays the most recent meter-DPID association.

The change will allow all active Meter/DPID associations periods to be viewable within CMOS. Trading parties will be able to see when the active Meter/DPID ended and any reactivations that may occur after.

4) NCC019 – This change would allow trading parties to see the SPID status on the premises tab of the SPID on CMOS Portal. This will be added to the Core Data section of Premises where it displays the details of the Supply Points.

5) NCC021 – This change would add a button for the BTD (Business Transaction Dossier) on the results of the "Search Market Information" on the CMOS Portal. This will act as a shortcut to go directly to the BTD without the need to go to any of the other shortcuts currently displayed (Premises, Water SPID, Sewerage SPID, Meters or DPID).

This will make CMOS more user friendly when Trading Parties are searching for the Business Transaction Dossier information.

6) NCC022 – This change will allow the expansion of Meter Network displays to show a Main meter in the meter network display, where the selected meter is the sub meter in a meter network and therefore enable the full visualisation of the meter network hierarchy without the need to look for further information in the Business Transaction Dossier (BTD) and simplify amendments.

7) NCC023 - This change will add a supporting Market Function to the CMOS Portal called "SPID Tradability Check" under the "Market Information" menu. This function will enable Trading Parties to check the Tradability status of SPIDs that are currently Partial and identify what is preventing the SPID becoming Tradable, via a self-service function.

The user will be able to input as many SPIDs as required and once submitted and processed, it will display the results identifying what condition hasn't been met and the reasons why. The user will also be able to export the results as a csv file.

03 Scope of Release 10.0 Defect Fixes

The target set of fixes to be delivered in parallel with the Changes include defect fixes that will be updated in this document until the final Release Note. The table below shows the defects planned to be included in Release 10.0 up to this date with a summary as per the Observation Log and some additional detail as they are made available. Please note that if the defect has a status of "confirmed" it means it will be included in Release 10.0 otherwise it is still in analysis/development phase or need data fix. The purpose of this table is to provide an earlier view as possible to the Trading Parties about the defects to be fixed, but as it is a live document, more defect fixes can be added or removed, and the final list will be in the final Release Note.

ALM	Status	Root Cause	Resolution
127		When submitting a TCORR128.W CMOS, EFD maps to YYYY-MM-DDT00:00:00.000000Z which is the beginning of the effective to date day, instead of showing the end of the daytime 23:59:59. (WHL affected)	
453		Some validated transactions are receiving a system timeout error message instead of a validation message. Users unaware of transactions status. (All TP's affected)	
559	Confirmed	When a sewerage SPID undergoes a transfer and is then paired to a water SPID, the transfer does not show in the Business Transaction Dossier (BTD). (WHLs affected)	Amended conditions for BTD being recreated on paired SPID , BTD now follows transfer.
849	Confirmed	CMOS has allowed the creation of a DPID against a Service Component that has already been terminated, resulting in an entity that connects a SPID & DPID being non-existent. (WHL affected)	SC life has been extended for DPID's when a new DPID is added, allowing users to transact correctly
872	Confirmed	CMOS has allowed the creation of a DPID against a Service Component that has already been terminated, resulting in an entity that connects a SPID & DPID being non-existent. (All TPs affected)	SC life has been extended for DPID's when a new DPID is added, allowing users to transact correctly
905		When a meter (which is part of a meter network) is updated, a new meter network state is created. A meter network state should only be	

		updated when a meter is finalled or network is ended. (WHL affected)	
926	Data Correction	Meter has been installed and has had reads added prior to the IMRD via Data Migration. (WHL affected)	
976	Confirmed	This is a proposed change to the selection of meters for the estimated reads process. (WHL affected)	VFD for the meter mentioned above, has been updated to 16-MAY-2016
1046		Currently a meter network is only displayed from main meter downwards, with no information linked directly to the sub meter. This is a change to consider changing this to show the full network hierarchy at each stage of the network. (WHL affected)	
1083	Confirmed	Duplicate of defects #457/883. Where T101 transactions are submitted in rapid sequence by B2B, the use of two-time systems by CMOS is causing some of these transactions to fail. (WHL affected)	Duplicate of defects #457/883. Where T101 transactions are submitted in rapid sequence by B2B, the use of two-time systems by CMOS is causing some of these transactions to fail. (WHL affected)
1133		Once a SPID is De-Registered the system still sees it as paired and user is unable to submit T155.W	
1147		System rejected a T101.W as the RTS default parameter has overlapping states.	
1156	Confirmed	The logic of TCORR112.R VR.369 is verified after VR.696 which needs Premises data on ETD. The common logic retrieving Premises state returns VR.329 because the Premises can't be found on ETD.	VR.369 has been moved to run earlier in multiple transactions, this has removed the MVI errors occurring.
1157	Confirmed	VR.274 checked if the sub-meter is associated with main meter only on EFD, it should check if the association is constantly active during a whole	Implementation of VR.274 has been changed and now checks whole period of activity.

		period between EFD and ETD(TCORR136.W) or time of transaction (T136.W).	
1158	Data Correction	TCORR136.W being rejected incorrectly when trying to fix ETDs for the meter and the meter network.	Data fix implemented
1161	Confirmed	CMOS calls GetSystemParameterOverride directly, not wrapper process GetSystemParameter. This resulted in not setting RTS when WSL had no override set up for this system parameter.	Implementation changed to call GetSystemParameter, RTS now setting correctly.
1162	Confirmed	Implementation of VR.673 is incorrect so Unable to provide a reason code & other wholesaler for a cross border SPID	Implementation fixed for VR.673 and transaction can now be submitted.
1169	Confirmed	Service Component State Comparison is not displaying the correct data items	Added attributes to now shows SC states correctly.
1170	Confirmed	VR.580 doesn't block a T-Read submission (T105.R) if a pair of SPIDs is transferred on the same date and there is already the T-Read previously submitted for these transfers and it was processed in relation to Sewerage SPID transfer BTD.	VR.580 has been updated to take into account transfer reads that have been submitted with a corresponding transfer read for paired SPID.
1171	Data Correction	Initial Meter Read Missing	Data correction to be applied.
1172	Confirmed	Sorting has been changed to show volumes in Descending order.	Discharge Volumes are showing in ascending order, should be descending.
1173	Confirmed	T136/TCORR136 is allowing to create a Meter Network before the SPID Effective From Date, which is incorrect (WHL affected).	Added VR.001 to T136/TCORR136.W

1174	Confirmed	Wholesaler receiving error code SQ and unable to submit T121.W due to not providing tariff band yet tariff was corrected to not hold a tariff band.	Validation rule corrected
1175	Confirmed	In the case of a SPID that has a meter with Final reading, CMOS allows the deregistration of this SPID with an Effective To Date before the Final meter reading, which is incorrect (WHL affected).	New validation rule created to avoid the deregistration of the SPID to an earlier date than the final meter reading (if it exists).
1183		T121.W incorrectly rejected with error code PG when trying to add a tariff code that is no longer active but was active during the DPID period.	
1184		When submitting a T108.R while a T134.R is already processing the T108.R will retire the T134.R which is incorrect.	
1185	Data correction	Wholesaler unable to access non-market meter. Instead an application service error is returned. This is incorrect and a data fix is required.	Data correction to be applied
1188		Retailer unable to replace transfer read due to completed erroneous transfer process.	
1189		TCORR138 showing 2 results in CMOS but 1 in Database	
1190		Two notifications showing as not being sent.	
1191		Portal not reflecting updates when a SC has been switched on or off.	
1194		Receiving error message that DPID is inactive when DPID is active during the submitted timeframe.	

1196	Data Correction	Unable to deregister a Sewerage SPID due to service component still be active.	Data correction to be applied.
1198	Confirmed	Wholesaler reads rejected against non-market meters.	Additional VR to be added.
1201		2021-2022 tariffs have some dates reflecting as ETD as 2021 when it should be 2022.	

04 XSD Changes

The changes for this Release (CPW089) have an impact on CMOS interface XSD files and they are available on MOSL's website (CMOS > CMOS Releases > New Releases): "XSD Updates for CMOS Release 10.0.xlsx" shows the specific changes and "XSD for CMOS Release 10.0.zip" provide the new version of all the CMOS interface XSDs.

Please note that the new data item D5018 – Billing Address Postcode was extended to a maximum number of characters of 9, instead of 8 as per CSD0301. This is due to this field being a mandatory field and in case it is not known by the Wholesaler upon T101.W submission, it will have to be entered "Not Known".

05 Error Codes

The validation rules and error codes haven't been changed for this release at this stage and therefore the current error codes are valid. Refer below to the consolidated set of error codes as of this Release Note date. The file is available on MOSL's website on CMOS > CMOS Releases "Error Codes.xlsx" or Market Codes > Codes > CSDs: CSD0301: error codes version 9.0.1.1.

06 Release 10.0 Dates

The CMOS Release 10.0 dates for all environments are highlighted in section 01 and the dates for future releases are available on MOSL's website in CMOS > CMOS Releases > Release Schedules 2020-2021

07 Additional Information

The detailed information regarding the content of live change proposals can be found on MOSL's website, on the Change Register page and the Non-Code Changes page (also on the extranet site).