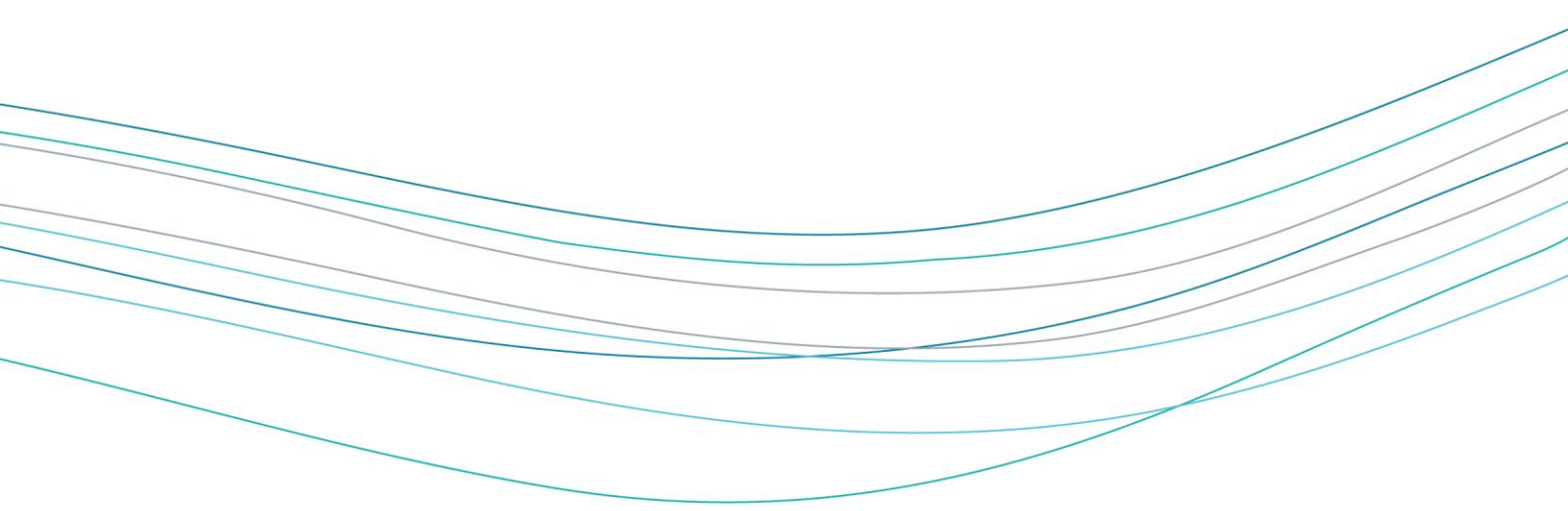


## CMOS 9.0 Release Note

Version 1.16

13 November 2020



## About this document

This paper sets out the scope and deployment arrangements for the CMOS release 9.0. The release is made up of approved Ofwat CPWs – 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 2<sup>nd</sup> October 2020 on MPS2 and 6<sup>th</sup> November 2020 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 9.0 Note with the scope of CPW.	01 July 2020
1.1	475, 755, 1014, 1024 and 1085 added	13 July 2020
1.2	926, 978, 1013, 1041, 1078, 1083, 1107, 1113, 1115 added and 1126 removed	20 July 2020
1.3	1115 removed	27 July 2020
1.4	1133 and 1134 added	03 August 2020
1.5	1117, 1119, 1123, 1127, 1135 and 1136 updated	17 August 2020
1.6	1013 updated, 1140 added and 1134 removed	25 August 2020
1.7	ALMs 115, 127, 453, 559, 574, 739, 811 and 849 added. ALMs 926, 1041, 1078 and 1136 updated. ALMs 1014 status updated. 1133 removed	01 September 2020
1.8	ALMs 559 and 1135 removed.	14 September 2020
1.9	ALMs 500 and 1142 added. Removed ALMs 739, 849 and 1014. Updated ALMs 1013, 1014, 1078, 1085, 1107, 1113, 1136, 1140 and 1142.	21 September 2020
1.10	Section 5 (Error Codes) updated	25 September 2020
1.11	Status updated 500, 978 and 1085. ALMs removed 1117, 1119, 1123, 1127, 1136, 1140 and 1142.	28 September 2020
1.12	Status updated for ALMs 574, 755, 978, 1041, 1085, and 1107. Added ALMs 1123, 1127, 1136, 1140, 1142, 1151 and 1155. Removed ALMs 1024 and 1083.	05 October 2020
1.13	ALMS added 1165. ALMS removed 127, 1151 and 1155. ALMS updated 1113	12 October 2020
1.14	ALMs updated 115, 475, 574, 1123 and 1165.	19 October 2020
1.15	Final version and final list of confirmed defects fixed in the release	10 November 2020
1.16	Only corrected description of Section 03	13 November 2020

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## 01 Timeline for Release 9.0

Date	Activity	Version
1 July 2020	Initial CMOS Release 9.0 Note published with confirmed CPWs	1.00
02 October 2020	Deployment to MPS2	
16 October 2020	Patch drop MPS2	
30 October 2020 (+ 1-week contingency)	Targeted completion of Trading Party testing	
06 November 2020	Deployment to Production	
10 November 2020	Deployment to MPS	

## 02 Scope of Release 9.0 CPWs & NCCs

No NCCs are planned for this Release. The following CPWs changes are confirmed for Release 9.0 and will come into effect on 6<sup>th</sup> November 2020:

ID	CPW/NCC	Title	Market Code Impact	CMOS Impact
1	CPW087	Ability for Wholesaler to add meter reads	Yes	Yes
2	CPW077	Establishing Trade Effluent charging strength methodology	Yes	Yes

### 1) CPW087 – Ability for Wholesaler to add meter reads

Accurate and timely meter readings and the high number of long unread meter remaining in the market has been identified by both MOSL and trading parties as one of the top priority issues for the market to address. The issue of meter reading is wide-ranging, not only does it impact wholesaler-retailer settlement values, it drives additional operational costs for trading parties and as a direct impact on the accuracy of customer bills and the level of service customers receive.

Currently Wholesalers can only submit Initial, Final, Temporary Disconnection and Reconnection meter readings. This change allows Wholesalers to submit non settlement affecting meter readings to facilitate Retailers in gathering readings, improving the market dataset and reducing the Long Unread position. For that, a new meter reading type was added “W” (Wholesale Read) for data item D3010 (Meter Read Type).

### 2) CPW077 - Establishing Trade Effluent charging strength methodology

This change proposal adds a new data item (D6036 – Charging Strength Methodology) within CMOS where the Wholesaler will use this field for the charging strength methodology for a Discharge Point. This will help Retailers provide timely responses to customers’ queries regarding billing strength without having to raise a bilateral form. This new data item has a valid set of methodologies as described in CSD0301 Data Catalogue.

The transactions and respective notifications that will have this new data item are T121.W (Submit DPID), T122.W (Update Trade Effluent Operating Data) and TCORR122.W (Update Trade Effluent Operating Data).

The new data item will be initialized to “UNDEFINED” to all existing Discharge Points.

The MDS\_DPIDS report will include a new column to accommodate the new data item.

### 03 Scope of Release 9.0 Defect Fixes

The set of fixes delivered in parallel with the Changes for this release are in the table below with a summary as per the Observation Log.

ALM	Status	Root Cause/Description	Resolution
115	Confirmed	CMOS doesn't allow multiple deputy contract managers. There should not be a limit on this. (All TP's affected)	Portal work implemented to allow multiple deputy contract managers
475	Confirmed	Tariff status showing as NULL under the 'Tariff' column within Settlement Reports when the tariff code has a future Effective Date. (All TP's affected)	Tariff name will correctly be displayed in the report in this case
500	Confirmed	Current validation does not allow processing of tariffs which are legacy, before or on the legacy effective from date. Users should be able to add and amend these tariffs to SPID's before this date. (WHL affected)	New validation to be added to allow legacy tariff updates
574	Confirmed	Current validation does not allow for processing of tariffs which are legacy, before or on the legacy effective from date. Users should be able to add and amend these tariffs to SPID's before this date. (WHL affected)	New validation to be added to allow legacy tariff updates
755	Confirmed	Wholesaler is unable to set tariff to legacy outside of update period. Functionality is correct and change to be implemented. (WHL affected)	Once implemented, user will be able to update tariffs to legacy, which predate the current active year as part of the annual tariff window
811	Confirmed	User is able to amend SPID or DPID Effective From Date into the future where there are active assets attached to the SPID / DPID, which should not be allowed. (WHL affected)	New Validation Rules implemented to stop a user amending a SPID / DPID date whilst there are assets attached to them.
978	Confirmed	From a batch of transactions submitted via B2B by a Wholesaler, one failed inexplicably.	There was an issue with the service agent in the batch

			processor. This has now been resolved.
<b>1013</b>	Confirmed	CalculatedDischargeID not taken into account from BTM when submitting T168.W	'CMOS now looks for CalculatedDischargeID from BTM when submitting T168.W to determine submission date allowed
<b>1014</b>	Confirmed	TCORR114W is failing when the meter predates the water SPID, due to constraint in VR.282. This should be allowed	This issue was fixed by ALM1093 which was delivered in R8.5
<b>1041</b>	Confirmed	Error was triggered when user tried comparing Business Process 'Service Component added through data migration' with Business Process 'Update metered service component data (CSD-0104.13-2)' via the Service Component History tab	Data Fix has been run to change 0 values to NULL for all SC's across CMOS.
<b>1078</b>	Confirmed	Issue caused by users updating Tariff which takes on a date after the EFD of Tariff Info. This has been fixed but requires a data fix.	All Tariffs now amended to remove overlapping states
<b>1085</b>	Confirmed	When a retailer requests to be opted in for Gap Site Allocations, CMOS will auto populate dates for the next financial year but won't change. A retailer should be able to opt out / in throughout the year for approved ad hoc requests. (RTL affected)	Option to choose next financial Year for Gap Site Agreements added to CMOS.
<b>1107</b>	Confirmed	When adding Chargeable Daily Volumes, submissions sent at different times are not sent in order.	CDV now displayed in order of effective date.
<b>1113</b>	Confirmed	Unexpected error on submission of T142.R caused by a VT EFD on the same date as the VT was run for a specific SPID. Data fix required.	The implementation of T142.R process has been fixed - the VT Flag is not updated if VT was submitted with the Transfer Date equal to the submission date.



<b>1116</b>	Confirmed	Trailing whitespace characters included when submitting T132.R, preventing the SPID moving to Tradable	Validation rule (VR.726) will reject transactions with spaces after the last character
<b>1123</b>	Confirmed	BTD steps are not in chronological order	New logic implemented to sort and present BTD steps correctly
<b>1127</b>	Confirmed	Null Value is listed in GFB error codes, new error message is required	Added new Error code to replace the NULL Values that were being returned.
<b>1136</b>	Confirmed	Data fix required to identify BTD's in state running where T107.W has been sent before T103.R and left BTD in running. BTD needs to be closed.	Data Script run to set BTD to closed
<b>1140</b>	Confirmed	T109Ms for Transfer Reads under Other SPID BTDs do not possess SPID attribute, so in final generated XML they point to incorrect SPID	BTDS attribute added to SPID in T109M for each Meter in shared process that inserts transfer notifications.
<b>1142</b>	Confirmed	VR.719 is rejecting T107.W due to an incorrect implementation	Adjusted VR.719 to allow transaction.
<b>1165</b>	Confirmed	Meter reads submitted between read dates are being incorrectly rejected.	Validation Rule fixed to allow successful submission of Wholesale Reads.
<b>1167</b>	Confirmed (data fix applied)	Wholesale agreement changed in PRD to include effective to date but is meant to be an open contract.	Data fix applied to correct the Effective To Date of the Agreements

## 04 XSD Changes

The two changes for this Release have an impact on CMOS XSD files and they are available on MOSL's website ([CMOS > CMOS Releases](#)): "XSD Updates for CMOS Release 9.0.xlsx" shows the specific changes and "XSD for CMOS Release 9.0.zip" provide all the CMOS XSDs.

## 05 Error Codes

Some validation rules and error codes have been changed for this release. Please refer below for the following changes:

### Update

- ◆ VR.014-1, VR.014-2, VR.014-3 - Tariff code not allowed. The specified tariff code must currently have status Active or Legacy (If before the Legacy Effective From Date) and belong to the sending Wholesaler.
- ◆ VR.025 - Meter read type and meter read method combination is invalid.
- ◆ VR.079-2 - Meter Read Rejected: Read type inappropriate.
- ◆ VR.725 - Meter Read is invalid. There is already an existing Wholesaler Read on transaction date.

### Added

- ◆ VR.721 - Existing Charging Strength Methodology is Undefined, new Charging Strength Indicator must be set.
- ◆ VR.722 - Charging Strength Methodology cannot be set to UNDEFINED.
- ◆ VR.725 - Meter Read is invalid. There is already an existing Wholesaler Read on transaction date.
- ◆ VR.726 - Customer Name Format Incorrect: Only printable ASCII characters in the range 21hex to 7Ehex (inclusive) are allowed. There may not be any spaces allowed after the final ASCII Character.
- ◆ VR.727- The Discharge Point <1> is associated with a Calculated Discharge in the period between the old and new effective dates <2>, <3>.
- ◆ VR.728 - The Supply Point <1> has an active Service Component in the period between the old and new effective dates <2>, <3>.
- ◆ VR.729 - The Supply Point <1> is associated with a meter network in the period between the old and new effective dates <2>, <3>.

Removed

- VR.164 - Meter Read value is not between the previous and the following meter read.

The file is available on MOSL's website on [CMOS > CMOS Releases](#) "Error Codes.xlsx" and [Market Codes > Codes > CSDs](#): CSD0301: error codes version 9.0.1.1

## 06 Release 9.0 Dates

The CMOS Release 9.0 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 the market codes change page of the MOSL website: <https://www.mosl.co.uk/market-codes/change> and the details of the Non-Code Changes are available on the [extranet site](#).