

**MARKET CODE / OPERATIONAL CODE
CHANGE PROPOSAL**Form
version 3.0Change Proposal reference
(To be completed by the TP Sec.)**MCCP317**

Version No.

D.1**PART A — SUBMISSION****A.1. GENERAL DETAILS**

A.1.a. TITLE	Extending the Business Day		
A.1.b. COMPANY	Central Market Agency		
Change Proposals must be authorised by the person designated by the signatory to the Market Code Framework / Accession Agreement			
A.1.c. AUTHORISED SIGNATURE		NAME	
A.1.d. CONTACT NAME	Damian Sharp	CONTACT EMAIL; TEL/MOB.	damian.sharp@cmascotland.co.uk
A.1.e. ASSOCIATED MCCP / OCCP			
A.1.f. ASSOCIATED DOCS.	Market Code CSD0002 Performance Standards Annex A [Monitoring Service Job Execution Periods R7.7.1]		
A.1.g. PROPOSED URGENCY	NON-URGENT		
A.1.h. REASONS FOR URGENCY			
The CMA CEO will review this information and make a decision as to whether to take this MCCP / OCCP forward as urgent as defined under Market Code Part 8.9.1			

A.2. MCCP / OCCP DETAILS		
A.2.a. ISSUE OR DEFECT WHICH THIS MCCP / OCCP SEEKS TO ADDRESS Required under Market Code Parts 8.7.1 (ii) (b) and 8.8.1 (ii) (b)		
<p>In 2024, the CMA undertook a Proof of Concept (PoC) to investigate what would be required to allow extended access to the Central Systems for Trading Parties. The conclusion of that PoC was that extending availability to 0500 to 2300 (Monday to Friday) and 0700 to 2300 (Weekends) would meet immediate Trading Party needs.</p> <p>Although the PoC originally considered the extension of opening hours without formal changes to the Market Code, the CMA has reviewed this and now proposes to commit to opening hours on Business Days (i.e. Monday to Friday except Bank Holidays) of 0500 to 2300, with exceptions for planned maintenance and release deployment.</p> <p>The CMA will formalise weekend and bank holiday opening as 0700 to 2300 with some exceptions for larger maintenance tasks which require closure of the market. This will be achieved without change to the Market Code because of the knock-on impact that would have on Trading Parties' obligations to undertake Market tasks within particular deadlines.</p> <p>A further extension to 22 hours per day by implementing SQL Server Enterprise would have additional resilience benefits beyond extended opening hours but was not considered by Trading Parties to be necessary on grounds of extended opening alone.</p>		
A.2.b. DESCRIPTION OF THE NATURE AND PURPOSE OF THE MCCP / OCCP AND HOW IT MEETS THE MARKET CODE / OPERATIONAL CODE OBJECTIVES AND PRINCIPLES FOR THE MARKET DOCUMENTS Required under Market Code Parts 8.7.1 (ii) (c) and 8.8.1 (ii) (c)		
General Description		
<p>This MCCP would amend the definition of the Business Day and introduce a new definition of Business Hours used in the Market Code and CSDs. Together these would amend the normal operating hours to 0500 to 2300 (from 0800 to 1800) obliging the CMA to make the Central Systems available for longer each Business Day and giving Trading Parties a small extension to the deadline for submitting transactions for their market obligations.</p> <p>An exception to the extended opening hours would be allowed for planned maintenance and Central Systems software releases. Those exceptions would need to be notified to the Market at least 10 Business Days in advance and at least the original hours of 0800 to 1800 would have to be maintained during any exception.</p>		
Principles and Objectives affected CMA Guidance Note GN009 may be referred to for assistance with this section		
PRINCIPLE	AFFECTED (Y/N)	DESCRIPTION
Proportionality	N	
Transparency	N	
Simplicity, Cost-effectiveness, and Security	Y	Cost-effective extension of business hours to meet demand from Trading Parties
Non-exclusivity	N	

Barriers to Entry	N	
Customer Contact	N	
Non-discrimination	N	
Non-detrimental to SW Core Functions	N	
MC / OC OBJECTIVES		

A.2.c. IMPACT Required under Market Code Parts 8.7.1 (ii) (d), (f) and (g), and 8.8.1 (ii) (d) and (f)		
CONFIGURED ITEM	IMPACTED (Y/N)	DESCRIPTION
MC / OC	Y	Definitions of "Business Day" and "Business Hours" amended
CSDs	Y	CSD0002 – consequential change to determination of which Business Day transactions are received
Wholesale Services Agreements	N	
Licences	N	
CMA Central Systems	Y	Changes to existing out-of-hours tasks to shorten time taken Changes to Performance Standards calculations
CMA business processes	Y	Changes to existing out-of-hours tasks to shorten time taken
Trading Party systems	N	
Trading party business processes	N	

A.2.d. DRAFT LEGAL TEXT Required under Market Code Parts 8.7.1 (ii) (d) and 8.8.1 (ii) (d)	
Market Code	
Add new paragraph 2.2.3 (x):	
[The CMA shall:-]...	
(x) provide access to, and process transactions submitted to, the Central Systems during Business Hours except where the CMA has given at least 10 Business Days' notice on its website of a restriction of Business Hours for planned maintenance and/or deployment of new versions of the Central Systems, provided that such restriction shall not impact availability between 08:00 hours and 18:00 hours on a Business Day.	
In Schedule 1 (Definitions), the definition of Business Day shall be amended as shown in red below and a new definition of Business Hours introduced:	
"Business Day" or "BD"	the period of 08:00 to 18:00 hours on any day other than a Saturday or Sunday or a bank holiday in Scotland under the Banking and Financial Dealings Act 1971;
"Business Hours"	On a Business Day, the hours during which the Central Systems are available to Trading Parties which shall be 05:00 to 23:00:00 except where the CMA has given notice of planned maintenance in accordance with Section 2.2.3 (x)
CSD0002 (Performance Standards)	
In Paragraph 2.7, the convention on Business Days shall be amended as shown in red below:	
<ul style="list-style-type: none"> Business Days. Where a date and time needs to be identified against a Business Day (BD), the Business Day will be identified, as follows; <ul style="list-style-type: none"> o If received during Business Hours on a BD – that BD. o If received after Business Hours on a BD – the next BD. o If received prior to Business Hours on a BD – that BD. o If received on a non-BD – the first BD after the non-BD. o Business Hours will be are defined as being from the start of the second beginning at 08:00:00 05:00:00 to the end of the second beginning at 17:59:59 22:59:59 inclusive. 	
If changes are identified for CSD0301 Data Transaction Catalogue Annex, these will not be provided in this MCCP, but will be provided following the deployment of the associated system updates. This is because the majority of CSD0301 Annex is system generated automatically and can only be updated after associated changes have been incorporated into the relevant system.	

Commented [DS1]: MCCP314 would introduce a definition of Business Hours. If MCCP314 is approved then this definition would replace the MCCP314 version.

A.3. IMPLEMENTATION DETAILS

A.3.a. PROPOSED IMPLEMENTATION DATE OR LEAD TIME Timescale must not overlap with the period of consultation with the Commission and should take account of the impacts identified in Section A.2.c. Any quoted lead time should commence from date of Approval.
November 2025
A.3.b. ANY LIMITATIONS OR DEPENDENCIES FOR IMPLEMENTATION
A.4. ANY OTHER COMMENTS
<p>Indicative User Requirement Specification</p> <p>UR 1 Central Systems Monitoring Portal. The existing Central Systems monitoring portal shall be extended to report on availability from 0500 to 2300 on Business Days.</p> <p>UR 1.1 Central Systems Monitoring Report. The reports from the CS monitoring portal shall cover the period from 0500 to 2300 on Business Days.</p> <p>UR 1.2 Previous periods of planned maintenance shall be entered into the 'Status Updates' Monitoring Portal page</p> <p>UR 2 Central Systems Monitoring Portal Impact – Scheduled Task.</p> <p>UR 2.1 The scheduled task that imports data from the monitoring portal database shall be extended to transfer the entries that are made by suitably authorised CMA Users on the 'Status Updates' monitoring portal page where the message type is 'Planned Maintenance'. These records shall be stored in the CMA_ODS, in a new table. Any changes (Inserts/Updates/Deletes) made to the 'Status Update' records will be synchronised to the ODS when the job executes as per its defined daily schedule.</p> <p>UR 2.2 The script that calculates offline periods for CS Services, when extracting data from the monitoring portal database and storing the data in the ODS shall be modified to use the revised business hour periods (05:00 to 23:00). <i>Note that this data will not take account of any planned maintenance periods.</i></p> <p>UR 2.3 The revised reports shall be stored in the CMA_ODS but shall not overwrite the original reports.</p> <p>UR 3 Central Systems – LVI Changes.</p> <p>UR 3.1 The Release Information LVI page shall be extended to display a new table 'Planned Maintenance' below the existing Release Information records. The following columns shall be displayed:</p> <ul style="list-style-type: none"> ○ Start Date (and time) ○ End Date (and time) ○ Description (As per the Monitoring Portal Status 'Update' description) <p>It shall not be possible to modify the information in the table, as this should be performed in the monitoring portal.</p>

Commented [AB2]: I think it would be better to clearly separate changes that are required in the monitoring portal (OSP responsibility) with those that we need to change in CS / ODS - so would suggest that this becomes UR 1.1 and we create a UR2 for the CS Monitoring Portal Data Importer Job to detail what changes the DSP needs to make

Commented [AB3]: We will create a table called T_PlannedMaintenance for this data

UR 3.2 The LVI and HVI Uptime widgets for the production environment shall be updated to take account of any planned maintenance periods. This shall be achieved by calculating the number of business seconds in the planned maintenance period and offsetting this number against any offline period for the service. If the planned maintenance period is greater than the total offline period, then a 100% uptime shall be assumed.

UR 3.3 The next planned maintenance window shall be displayed on the home page.

UR 4 Market Information Website.

UR 4.1 The planned maintenance periods stored in the CMA_ODS shall be used when populating Chart 115 (Central Systems Availability over time chart). Where there is no planned maintenance period for a given day, the original values shall be used.

UR 4.2 The logic for Chart 50 (Meter Reads Over Time and Timeliness) shall be amended to take account of the new business hours, this will involve amending the time period threshold as defined in the FN_BusinessDayDateAdjusted function.

UR 5 Repeat Analysis. The OSP shall repeat the analysis of time taken to perform each of the out-of-hours tasks and report on any measures that may be needed to ensure that essential tasks can always be completed between 2300 and 0500.

UR 6 Local Work Instructions. The CMA and the OSP shall review whether any changes are needed to LWIs as a result of the changed Business Hours. Following this review, the CMA Head of Operations shall recommend any necessary or desirable changes to the CMA Chief Executive.

UR 7 – Central Systems Operational Database Updates. The following updates shall be made when this change proposal is implemented as part of Release 7.7.1:

UR 7.1 Monitoring Service Jobs Table. The monitoring service jobs table shall be amended to take account of the new Business Hours. The Monitoring Service start and end times shall be updated as specified in Annex A [Monitoring Service Job Execution Periods R7.7.1].

UR 7.2 The core hours in which the monitoring service runs shall be extended to 04:30 and 23:10, the configuration file for all environments shall be amended accordingly.

UR 7.3 Scheduled Tasks Table. The scheduled tasks table shall be amended to take account of the new Business Hours, as specified in Annex [Monitoring Service Job Execution Periods R7.7.1] whereby the descriptions and Scheduled Run times will be updated as specified.

UR 8 Performance Standards. In the Performance Standards, GPSUR 3.2 shall be amended as shown in red below and the changes shall be implemented.

GPSUR 3.2 Business Days. Where a date and time needs to be identified against a Business Day, the Business Day will be identified, as follows:

- If received during business hours on a BD – that BD.
- If received after Business Hours on a BD – the next BD.
- If received prior to Business Hours on a BD – that BD.

- If received on a non-BD – the first BD after the non-BD.

Business Hours ~~will be~~ **are** defined as being from the start of the second beginning at ~~0805~~.00.00 to the end of the second beginning at ~~1722~~.59.59 inclusive.

UR 9 Offline notification to Users. The text shown on dt.cmascotland.co.uk outside Business Hours shall be amended to reflect the new Business Hours by displaying the following message:

CMA Closed

The CMA application is currently offline.

The normal business hours of the system are 5am - 11pm, Monday – Friday (except Bank Holidays).

Please return within these hours to submit any messages.

Details of Planned Maintenance can be found on the Systems Status page on the CMA Website: <https://www.cmascotland.com/systems-status/>

UR10 ARM. The following changes should be made to the Audit Report Module, to reflect the new Business Hours.

UR 10.1 The logic that is used for the ARM timeliness reports should be amended to take account of the new business hours, this will involve amending the time period threshold as defined in the FN_BusinessDayDateAdjusted function. This function is referenced by the following ARM procedures:

- P_DQLPMeterReadTimeliness_Insert
- P_DQLPRegistrationTimeliness_Insert
- P_DQSWDPIDDetailUpdateTimeliness_Insert
- P_DQSWDPIDDiscontinuationTimeliness_Insert
- P_DQSWDPIDMeterAssociationTimeliness_Insert
- P_DQSWDPIDMeterDissociationTimeliness_Insert
- P_DQSWLiveRVTimeliness_Insert
- P_DQSWMeterReadTimeliness_Insert
- P_DQSWSPIDStatusTimeliness_Insert
- P_DQSWTEOperatingDataTimeliness_Insert

UR 11 Parallel Running. The PTE environments will not be used for regression testing for the November R7.7.1 release, however the following changes shall be made to reflect the new Business Hours.

UR 11.1 The message submission windows around a business day shall be amended to:

- Before normal hours [03:00:00 and 04:59:59] (currently 03:00:00 and 07:59:59):
- During normal hours [05:00:00 to 22:59:59] (currently 08:00:00 to 17:59:59)
- After normal hours [23:00:00 to 23:59:59] (currently 18:00:00 to 20:59:59)

UR 11.2 The RA Job when executed by the PTE control software should run at 23:05 (currently 21:00)

Commented [JG4]: This comma is new, not just the final paragraph.

Commented [AB5]: I know this is too technical for a UR - but thought it would be useful for testing purposes...

Commented [DS6R5]: I am OK with this level of detail on this occasion to make it easier to test

UR 12 Testing impact on reporting. The following systems shall be tested to establish the impact of the longer Business Day on their outputs, with recommendations for any necessary changes:

- ARM
- Performance Standards
- Autodocs (pulling information from the ODS)
- Parallel running

UR12.1 Performance Standards testing. It shall not be necessary to test every Performance Standards measure. However, at least one example of each type of measure shall be tested.

UR 13 – App Offline / App Online. The time the LVI and HVI are available to the market shall be changed to reflect the new Business Hours:

- App Offline (for the HVI / LVI) should run at 23:00 (Currently 19:25)
- App Online (for the HVI / LVI) should run at 05:00 (Currently 07:00)

UR 14 – OSP Operational Task Schedule Updates. This will cover any operational jobs that Bridgeall have to perform on a daily basis, covering aspects such as:

- Database Backup times
- Restore Times (to the Live Reporting Server / ARM Server(s))
- FTP Service availability
- CS22-L-DB01 (SQL Jobs)
 - CMA_Messages_Daily_Diff_Backup Should run after RA job (Currently 20:30)
 - CMA_Messages_Weekly_Primary_Backups Should run after 23:00 (currently 20:45 Saturday Only)
 - CMA_ODS – Primary_copy_only_Backup – Should run after 23:00 (currently 23:00)
 - CMA_SettlementReports_Daily_Diff_Backup – Should run after 23:00 (currently 20:40)
 - CMA_SettlementReports_Weekly_Primary_Backups – Should run after 23:00 (Sundays only) (currently 20:40)
 - Dashboard Activity – HVI Check for inbound last 10 mins – (currently run 08:00-18:00 (not sure of new timings))
 - Dashboard Activity – LVI/HVI Message Activity Monitor – (currently runs 08:00-18:00)
 - DBBackups and Cleanup – Should run after RA job (23:10) (currently runs 20:00)
 - Shrink Logs – All logs AM – Should run before 5am – (Currently runs 06:57)
 - Shrink Logs – CMA_ODS and CMA_SettlementReports PM – should run after indexing jobs (currently runs at 23:47)
 - Update Stats – CMA_SEC and CMA_Audit – should run after 23:00 on a Sunday only. (Currently runs at 19:35 on a Sunday)
- CS22-L-DB01 (Scheduled Tasks)
 - Archive CMA_Audit – should run after the full back up job is complete (currently runs at 20:55)
 - Archive CMA_CAS – should run after the full back up job is complete (currently runs at 20:58)
 - Archive CMA_ExtRef – should run after the full back up job is complete (currently runs at 20:55)
 - Archive CMA_Log – should run after the full back up job is complete (currently runs at 20:56)

Commented [DS7]: Better definition needed here but the principle is that the measures should be split up so that measures with the same logic but a different threshold only need a single test.

Commented [AB8]: This is a really important point - it means that it won't be possible to submit messages before the official market opening time and it won't be possible to submit after the market has closed. This is different to the current setup whereby the LVI / HVI were available pre & post market hours - meaning that we had to adjust dates for WICS - given that, I wonder if we can simplify testing on ARM and WICS?

Commented [DS9]: Should the detail of UR14 and UR15 be shifted to an Annex?

Commented [AB10]: John G to complete these URs

- Archive CMA_MarketInformationControl – should run after the full back up job is complete (currently runs at 20:58)
- Archive CMA_Messages Nightly Diff – should run after the nightly CMA_Messages backup job is complete (currently runs at 21:05)
- Archive CMA_Messages Weekly Full Partial – should run after the weekly full CMA_Messages backup job is complete (currently runs at 21:00 on a Saturday)
- Archive CMA_MVI – should run after the full back up job is complete (currently runs at 20:59)
- Archive CMA_ODS – should run after the full back up job is complete (currently runs at 20:55)
- Archive CMA_ODS_Archive – should run after CMA_ODS_Primary_Copy_only back job is complete (currently runs at 23:30)
- Archive CMA_RA – should run after the full back up job is complete (currently runs at 20:55)
- Archive CMA_Reports – should run after the full back up job is complete (currently runs at 20:55)
- Archive CMA_SEC – should run after the full back up job is complete (currently runs at 21:02)
- Archive CMA_SettlementReports Last 30 days – should run after the nightly CMA_SettlementReports backup job is complete (currently runs at 21:20)
- Archive CMA_SettlementsReports Weekly Full – should run after the weekly full CMA_SettlementReports backup job is complete (currently runs at 21:20 on a Sunday)
- Job service stop – Can probably stay the same (currently runs at 19:00)
- Job service start – Can probably stay the same (currently runs at 19:05)
- Message Service Worker Stop – Can probably stay the same (currently runs at 23:45)
- Message Service Worker Start – Should run at 05:00 (currently runs at 07:00)
- Settlement Service Stop – Can probably stay the same (currently runs at 23:00)
- Settlement Service start – Can probably stay the same (currently runs at 23:05)
- CS22-L-APP01 (Scheduled Tasks)
 - Appoffline and online mentioned above.
 - FileZilla Service Stop – Should stop at 02:40 before nightly jobs start running. (currently runs at 03:00)
 - FileZilla Service Start – Should start at 05:00 when apponline runs? (Currently runs at 05:30)

UR 15 – OSP Operational Task Schedule Updates (Test / Reporting Servers)

- **CMA22-L-REP**
 - Restore CMA_Audit – should run after Db is copied to share – (currently runs at 22:27)
 - Restore CMA_CAS – should run after Db is copied to share – (currently runs at 22:27)
 - Restore CMA_ExtRef – should run after Db is copied to share – (currently runs at 22:34)
 - Restore CMA_Log – should run after Db is copied to share – (currently runs at 22:32)
 - Restore CMA_MarketInformationControl – should run after Db is copied to share – (currently runs at 22:33)
 - Restore CMA_Messages_diff_nightly – should run after Db is copied to share – (currently runs at 22:30)

- Restore CMA_MVI – should run after Db is copied to share – (currently runs at 22:27)
- Restore CMA_ODS – should run after Db is copied to share – (currently runs at 22:20)
- Restore CMA_RA – should run after Db is copied to share – (currently runs at 22:40)
- Restore CMA_Reports – should run after Db is copied to share – (currently runs at 22:39)
- Restore CMA_SEC – should run after Db is copied to share – (currently runs at 22:27)
- Restore CMA_SettlementReports_Diff_Nightly – should run after Db is copied to share – (currently runs at 22:48)
- Prepare CMA_Messages for Escrow– should run CMA_Messages restore is complete – (currently runs at 23:58)
- Prepare CMA_SettlementReports for Escrow – should run CMA_SettlementReports restore is complete – (currently runs at 23:59)
- **CS22-ARM01**
 - Restore CMA_Messages_diff_nightly – should run after Db is copied to share – (currently runs at 23:30)
 - Restore CMA_Log – should run after Db is copied to share – (currently runs at 22:20)
 - Restore CMA_ODS – should run after Db is copied to share – (currently runs at 22:15)
 - Restore CMA_RA – should run after Db is copied to share – (currently runs at 22:10)
 - Restore CMA_Reports – should run after Db is copied to share – (currently runs at 22:12)
- **CMA22-DB01**
 - Restore CMA_ODS_Archive – should run after CMA_ODS_Archive database is copied to share – (currently runs at 23:56) – Note we might be able to use the Full ODS for this now if is backed up after the RAs.

PART B — TP ASSESSMENT			
B.1. ASSESSMENT PROCESS			
B.1.a. ASSESSMENT START DATE	2025-06-19	ASSESSMENT END DATE	2025-08-21
B.1.b. IMPACT ASSESSMENT REQUIREMENT	IA NOT REQUIRED		
B.1.c. CONSULTATION REQUIREMENT	TP CONSULTATION REQUIRED		
B.1.d. ASSOCIATED DOCUMENTS (TO THIS PART B)			
B.2. ASSESSMENT DETAILS			
B.2.a. CHANGE SPEC AND IMPACT (IF DIFFERENT FROM THAT ORIGINALLY SUBMITTED)			
B.2.b. CMA INTERNAL SYSTEMS IMPACT			
B.2.c. DRAFT LEGAL TEXT (IF DIFFERENT FROM THAT ORIGINALLY SUBMITTED)			
B.2.d. CUSTOMER IMPACT (TO BE COMPLETED BY LPS)			
Allows Trading Parties greater flexibility in meeting their market obligations. Customers will benefit from reduced market friction.			
B.2.e. TP ASSESSMENT Taking into account complexity, importance and urgency, and having regard to whether or not such proposal is within the relevant Objectives and Principles as required under Market Code Parts 8.7.1 (v) and 8.8.1 (iv)			
Impact on Principles and Objectives (if different from that originally submitted)			
Cost Estimate		£25k (Indicative budget estimate)	
Benefit Estimate (L: < 10k, M: £10k to £100k, H: > £100k)			
B.3. TP DECISION		TP APPROVED	
B.4. FINAL TP VIEWS		Unanimously approved	
B.5. PLANNED IMPLEMENTATION DATE		2025-11-30	

WITHDRAWN BY PROPOSER?	No
COMMENTS	
DATE OF WITHDRAWAL	

PART C — COMMISSION APPROVAL

C.1. DATE FINAL REPORT ISSUED TO COMMISSION	2025-10-14
C.2. APPROVAL STATUS	APPROVED CHANGE
C.3. DATE OF APPROVAL STATUS	2025-11-12
C.4. COMMISSION RESPONSE REFERENCE	

PART D — IMPLEMENTATION

D.1. IMPLEMENTATION DATE	30 November 2025
D.2. IMPLEMENTATION DETAILS (MC version, CSD versions, CMA Central Systems release number, etc.)	