**Great Britain Companion Specification (GBCS)**

**Version 3.2 (for Draft 3): Release Note**

**[June 2019 TBC]]**

Release Note

This release note accompanies the GBCS V3.2 Draft 3 baselined on 10 June 2019. It describes the principal changes and updates made to the GBCS v3.2 Draft 2 baselined on 7 June 2019, and the recent revision history of GBCS.

***Summary of main changes***

GBCS v3.2 Draft 2 is updated to incorporate SEC Modifications that have been approved for the November 2019 Release:

* [SECMP0018 ‘Standard Electricity Distributor Configuration Settings’](https://smartenergycodecompany.co.uk/modifications/standard-electricity-distributor-configuration-settings/)
* [SECMP0023 ‘Correct Units of Measure for Uncontrolled Gas Flow Rate’](https://smartenergycodecompany.co.uk/modifications/correct-units-of-measure-for-uncontrolled-gas-flow-rate/)
* [SECMP0025 ‘Electricity Network Party Access to Load Switching Information’](https://smartenergycodecompany.co.uk/modifications/electricity-network-party-access-to-load-switching-information/)
* [SECMP0055 ‘Incorporation of multiple Issue Resolution Proposals into the SEC’](https://smartenergycodecompany.co.uk/modifications/incorporation-of-multiple-issue-resolution-proposals-into-the-sec/) (Provisional)

IRPs and TS issues included from [SECMP0055](https://smartenergycodecompany.co.uk/modifications/incorporation-of-multiple-issue-resolution-proposals-into-the-sec/) are as follows:

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| --- | --- | --- | --- |
| * IRP542 * IRP543 * IRP544 * IRP546 * IRP548 * IRP549 * IRP551 * IRP552 * IRP553 * IRP558 * IRP561 * IRP562 * IRP562 * IRP564 | * IRP565 * IRP566 * IRP568 * IRP570 * IRP572 * IRP574 * IRP575 * IRP576 * IRP577 * IRP579 * IRP580 * IRP581 * IRP583 * IRP584 | * TS0797 * TS0800 * TS0804 * TS0837 * TS0846 * TS0860 * TS0880 * TS0912 * TS1006 * TS1087 |  |

***Table of Section Changes***

The table table shows the Sections of GBCS v3.2 Draft 2 that have been updated and a summary of any change made.

| **Section** | **Changes** |
| --- | --- |
| Documentation Alignment Section | No changes made |
| 1: Introduction | No changes made |
| 2: Structure of the GB Companion Specification (GBCS) | No changes made |
| 3: Scope and Terminology | No changes made |
| 4: Security | Deleted redundant sentence which reference to Annex 23  Corrected *FIPS PUB 186-4* refference to D1.2.3 |
| 5: Remote Party Message construction, protection and verification – informative | No changes made |
| 6: Message Categories | Changed Business Originator ID to Business Target ID in sub-sections 6.4.6, 6.5.6, and 6.8.4 |
| 7: Message structure and DLMS COSEM / ZSE / ASN.1 requirements | Removal of 2, 8, and 26 as octect length in Table 7.2.7  Additional DSE Device requirment for PPMID  Embedded Table 7.4 alighning to CHTS requirement to send some Alerts to HAN Devices (H334).  Embedded Table 7.4 removal of the requirements for the GPF to support the Get Event Log / Publish Event Log commands (Rows 332 & 336) |
| 8: Encryption of Attributes in Remote Party Messages | No changes made |
| 9: Time Synchronisation and Future Dated Remote Party Messages | No changes made |
| 10: ZSE Implementation | Table 10.2.2.2b two additional Bit Numbers  Establishment of tunnel between CHF and ESME / GSME, ESME / GSME will send 0x8F84  10.4.2 snap shot cause general corrected to 0x00000001  GSME change of tariff - Removal of bit 4 and bit 5  Clarification of what applies to *CommodityType*  and *DeviceType* in 10.4.2.11  Table 10.6.2.4 ‘Event / Alert Code Meaning’ changed |
| 11: Downloading firmware images to Devices | Addition of exception to OTA issing *Imange Block Response Commands*  Correction of reference within sub-subsection 11.4.2 |
| 12: Requirements for Certificates | Addition of spacing to Subject Unique ID |
| 13: Managing Security Credentials on Devices | Add of table reference in RemotePartyRole  Rephrasing of SubjectUniqueID in CellUsage DEFAULT management  Clarification in 13.2.4.3.1  Additional information in ‘Notes’ in Table 13.2.4.4  Correction of snapshot cause in 13.3.5.10  Additional information on the last bulletpoint of 13.3.5.10  Additional paragraph at the end of 13.3.5.10  Reference change in [3] IMPLICIT SeqNumber  Addition of spaces to Subject Unique ID  Change to reference in Note of Table 13.3.5.12  Reference correction in 13.7.4.5.5  Reference correction in 13.8.2.4  Deletion of KRP Signature and corrdection of Message Category reference in 13.8.3.3 |
| 14: Apply Prepayment Top Up to an ESME or GSME | Additional information in ‘Meaning’ in Table 14.1  Change of infromation in ‘Values’ in Table 14.3.4 and Table 14.3.5 |
| 15: Message Codes | No changes made |
| 16: Event / Alert Codes and related requirements | Embedded table 16.2:   * Event / Alert code 0x8F69 meaning updated (E90) * Event / Alert code 0x8F69 message conflicts resolved * Addition of Transtional Change of Supplier to cells P87 and P88 * Defined Event / Alert Code 0x8F1B Known Remote Party Role (P132)   Additional Requirment and clarification of Requirment in16.4 |
| 17: Remote Party Usage Rights | No changes made |
| 18: Message Templates | DLMS COSEM Message Template- table colour descriptions upadated  Changes to Templates supporting changes to Mapping Table |
| 19: Use Cases | Changes to Use Cases supporting changes to Mapping Table |
| 20: Mapping Table | K99 in GBCS Table 20 SRO tab- update of units  K232 in GBCS Table 20 SRO tab- update of units  I1465 in GBCS Table 20 ZigBee commands tab- unit correction  AE9 in GBCS Table 20 Use Case tab- change ESME to meter  I124 in GBCS Table 20 Zigbee commands tab- Reference removed & Bits 0-2 updated  AE24 in GBCS Table 20 Use Case tab- corrected Error /Alert Code reference in Use Case description  U11 & U21 in GBCS Table 20 Use Case tab- Message type: See GBCS  CT1765 in GBCS Table 20 SRO tab- removal of incorrect statement  Addition of 17 new Use Cases in ZigBee commands tab  Revised Table 20 with Replacement Use Case / Message Template for ECS35f: |
| 21: Glossary | Addition of Subject Unique ID entry  Correction of reference in Supplementy Originator Counter |
| 22: Annex 1 – Additional DLMS Class | No changes made |
| 25 and 26: Informative Annex 4 and 5 | No changes made |
| 27: Annex 6 | No changes made |
| 28: Annex 7 - Data Item Values to be set prior to installation of Devices | Additional rows to Tables 28a and 28b  New tables 28c and 28d added |

Release Note: Table of Section Changes…

Document Revision History

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| --- | --- | --- | --- |
| Version | Rev | Date of Issue | Change Summary |
| 1.0 | Final | 08/11/2016 | Version Incorporated into the Smart Energy Code (SEC) for DCC Release 1.2 |
| 1.1 | Final | 06/11/2017 | Modified to address TBDG RFC-059 and mismatch between the decimal and hexadecimal encoded values for OBIS codes. Resulting in changes in tables in Section 18.2.1.2 and 18.2.1.3.  Version Incorporated into SEC |
| 2.0 | Final | 01/02/2018 | Version Incorporated into SEC for DCC Release 2 (was previously GBCS v2.0 Draft 7) |
| 2.1 | Final | 05/06/2018 | Updated Version modified to address TBDG RFC-066 incorporated into SEC for DCC Release 2 |
| 3.0 |  | 01/04/2018 | Version incorporated into SEC, but not activated in preparation for a future DCC Release beyond Release 2, as proposed by TBDG RFC-063  (was previously GBCS V3.0 Draft 1)  Superseded by V3.1 on 5/6/18 |
| 3.1 | Final | 05/06/2018 | Updated to reflect the same changes made as in V2.1. Incorporated into SEC, but not activated in preparation for future DCC Release  Superseded by V3.2 |
| 3.2 | Draft 1 | 17/04/2019 | Modified to address TBDG SMIP CR\_077 ‘GBCS Uplift’. Baselined on SECAS Developing SEC webpage |
| 3.2 | Final (Draft 2) | 7/06/2019 | Updated to reflect emergency credit requirements as part of TBDG SMIP CR\_085. To be incorporated into SEC for future DCC Release and as referred to in this Release Note. (note corrected a minor typo IRP569 was referred to wrongly as IRP469) |
| 3.2 | Draft 3 | 10/06/2019 | Updated ontop of the changes of GBCS v3.2 Draft 1 and GBCS v3.2 Draft 2, to include SEC Modification SECMP0018, SECMP0023, SECMP0025, and SECMP0055 for the November 2019 SEC Release. |