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**Digital cellular telecommunications system (Phase 2+) (GSM);  
Universal Mobile Telecommunications System (UMTS);  
Customised Applications for  
Mobile network Enhanced Logic (CAMEL) Phase X;  
CAMEL Application Part (CAP) specification  
(3GPP TS 29.078 version 14.0.0 Release 14)**



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# Contents

|   |    |
|---|----|
| Intellectual Property Rights .....  | 2  |
| Foreword.....   | 2  |
| Modal verbs terminology.....  | 2  |
| Foreword.....   | 14 |
| 1 Scope .....   | 15 |
| 2 References .....  | 15 |
| 2.1 Specifications used for IMPORTS for CAP.....  | 17 |
| 3 Abbreviations .....   | 18 |
| 4 Interface specification for telecommunication services .....  | 19 |
| 4.1 General .....   | 19 |
| 4.1.1 Definition methodology .....  | 19 |
| 4.1.2 Example physical scenarios .....  | 20 |
| 4.1.3 CAP protocol architecture .....   | 26 |
| 4.1.4 Compatibility mechanisms used for CAP .....   | 27 |
| 4.1.4.1 Introduction.....   | 27 |
| 4.1.4.2 Definition of CAP compatibility mechanisms .....  | 28 |
| 4.1.4.2.1 Compatibility mechanism for interworking of CAP with ETSI CS2 Core INAP and ITU-T<br>Q.1228 INAP..... | 28 |
| 4.1.4.2.2 Procedures for major additions to CAP.....  | 28 |
| 4.1.4.2.3 Procedures for minor additions to CAP.....  | 28 |
| 4.1.4.2.4 Procedures for inclusion of network specific additions to CAP .....                                   | 28 |
| 4.1.5 Definition and usage of LegID .....   | 28 |
| 4.1.5.1 Definition of LegID.....  | 28 |
| 4.1.5.2 Allocation of LegID .....   | 29 |
| 4.2 SACF/MACF rules.....  | 29 |
| 4.2.1 Reflection of TC AC.....  | 29 |
| 4.2.2 Sequential/parallel execution of operations .....   | 29 |
| 5 Common CAP Types.....   | 29 |
| 5.1 Data types.....   | 29 |
| 5.2 Error types .....   | 47 |
| 5.3 Operation codes.....  | 49 |
| 5.4 Error codes .....   | 51 |
| 5.5 Classes.....  | 51 |
| 5.6 Object Identifiers (IDs).....   | 55 |
| 5.7 User Abort Data .....   | 58 |
| 6 Circuit Switched Call Control .....   | 59 |
| 6.1 gsmSSF/CCF - gsmSCF Interface.....  | 59 |
| 6.1.1 Operations and arguments .....  | 59 |
| 6.1.2 gsmSSF/gsmSCF packages, contracts and ACs.....  | 71 |
| 6.1.2.1 gsmSSF/gsmSCF ASN.1 module.....   | 71 |
| 6.2 gsmSCF/gsmSRF interface .....   | 78 |
| 6.2.1 gsmSCF/gsmSRF operations and arguments .....  | 78 |
| 6.2.2 gsmSRF/gsmSCF contracts, packages and ACs .....   | 81 |
| 6.2.2.1 gsmSRF/gsmSCF ASN.1 modules.....  | 81 |
| 7 SMS Control.....  | 83 |
| 7.1 SMS operations and arguments .....  | 83 |
| 7.1.1 Operation timers .....  | 87 |
| 7.2 SMS contracts, packages and ACs .....   | 87 |
| 7.2.1 smsSSF/gsmSCF ASN.1 module.....   | 87 |
| 8 GPRS Control.....   | 90 |
| 8.1 gsmSCF/gprsSSF operations and arguments.....  | 90 |

|            |  |     |
|------------|--|-----|
| 8.1.1      | GPRS Reference Number .....                      | 95  |
| 8.1.2      | Operation timers .....                           | 96  |
| 8.2        | gsmSCF/gprsSSF contracts, packages and ACs ..... | 96  |
| 8.2.1      | gprsSSF/gsmSCF ASN.1 module .....                | 96  |
| 9          | Application Entity procedures .....              | 100 |
| 10         | Error procedures .....                           | 100 |
| 10.1       | Operation related error procedures .....         | 100 |
| 10.1.1     | Canceled .....                                   | 100 |
| 10.1.1.1   | General Description .....                        | 100 |
| 10.1.1.1.1 | Error description .....                          | 100 |
| 10.1.1.2   | Operations gsmSCF→gsmSRF .....                   | 100 |
| 10.1.2     | CancelFailed .....                               | 101 |
| 10.1.2.1   | General description .....                        | 101 |
| 10.1.2.1.1 | Error description .....                          | 101 |
| 10.1.2.2   | Operations gsmSCF→gsmSRF .....                   | 101 |
| 10.1.3     | ETCFailed .....                                  | 102 |
| 10.1.3.1   | General description .....                        | 102 |
| 10.1.3.1.1 | Error description .....                          | 102 |
| 10.1.3.2   | Operations gsmSCF→gsmSSF .....                   | 102 |
| 10.1.4     | ImproperCallerResponse .....                     | 102 |
| 10.1.4.1   | General description .....                        | 102 |
| 10.1.4.1.1 | Error description .....                          | 102 |
| 10.1.4.2   | Operations gsmSCF→gsmSRF .....                   | 102 |
| 10.1.5     | MissingCustomerRecord .....                      | 102 |
| 10.1.5.1   | General description .....                        | 102 |
| 10.1.5.1.1 | Error description .....                          | 102 |
| 10.1.5.2   | Operations gsmSSF→gsmSCF .....                   | 103 |
| 10.1.5.3   | Operations gsmSRF→gsmSCF .....                   | 103 |
| 10.1.5.4   | Operations smsSSF→gsmSCF .....                   | 103 |
| 10.1.5.5   | Operations gprsSSF→gsmSCF .....                  | 103 |
| 10.1.6     | MissingParameter .....                           | 104 |
| 10.1.6.1   | General description .....                        | 104 |
| 10.1.6.1.1 | Error description .....                          | 104 |
| 10.1.6.2   | Operations gsmSCF→gsmSSF .....                   | 104 |
| 10.1.6.3   | Operations gsmSSF→gsmSCF .....                   | 104 |
| 10.1.6.4   | Operations gsmSCF→gsmSRF .....                   | 104 |
| 10.1.6.5   | Operations gsmSRF→gsmSCF .....                   | 105 |
| 10.1.6.6   | Operations smsSSF→gsmSCF .....                   | 105 |
| 10.1.6.7   | Operations gsmSCF → smsSSF .....                 | 105 |
| 10.1.6.8   | Operations gprsSSF→gsmSCF .....                  | 105 |
| 10.1.6.9   | Operations gsmSCF→gprsSSF .....                  | 106 |
| 10.1.7     | ParameterOutOfRange .....                        | 106 |
| 10.1.7.1   | General description .....                        | 106 |
| 10.1.7.1.1 | Error description .....                          | 106 |
| 10.1.7.2   | Operations gsmSCF→gsmSSF .....                   | 106 |
| 10.1.7.3   | Operations gsmSSF→gsmSCF .....                   | 106 |
| 10.1.7.4   | Operations gsmSCF→gsmSRF .....                   | 106 |
| 10.1.7.5   | Operations smsSSF → gsmSCF .....                 | 106 |
| 10.1.7.6   | Operations gsmSCF→smsSSF .....                   | 106 |
| 10.1.7.7   | Operations gprsSSF →gsmSCF .....                 | 107 |
| 10.1.7.8   | Operations gsmSCF→gprsSSF .....                  | 107 |
| 10.1.8     | RequestedInfoError .....                         | 107 |
| 10.1.8.1   | General description .....                        | 107 |
| 10.1.8.1.1 | Error description .....                          | 107 |
| 10.1.8.2   | Operations gsmSCF→gsmSSF .....                   | 107 |
| 10.1.9     | SystemFailure .....                              | 107 |
| 10.1.9.1   | General description .....                        | 107 |
| 10.1.9.1.1 | Error description .....                          | 107 |
| 10.1.9.2   | Operations gsmSCF→gsmSSF .....                   | 107 |
| 10.1.9.3   | Operations gsmSSF→gsmSCF .....                   | 107 |

|             |  |     |
|-------------|--|-----|
| 10.1.9.4    | Operations gsmSCF→gsmSRF .....   | 107 |
| 10.1.9.5    | Operations gsmSRF→gsmSCF .....   | 107 |
| 10.1.9.6    | Operations smsSSF→gsmSCF .....   | 107 |
| 10.1.9.7    | Operations gsmSCF→smsSSF .....   | 107 |
| 10.1.9.8    | Operations gprsSSF →gsmSCF .....   | 108 |
| 10.1.9.9    | Operations gsmSCF→gprsSSF .....  | 108 |
| 10.1.10     | TaskRefused .....  | 108 |
| 10.1.10.1   | General description .....  | 108 |
| 10.1.10.1.1 | Error description .....  | 108 |
| 10.1.10.2   | Operations gsmSCF→gsmSSF .....   | 108 |
| 10.1.10.3   | Operations gsmSSF→gsmSCF .....   | 108 |
| 10.1.10.4   | Operations gsmSCF→gsmSRF .....   | 108 |
| 10.1.10.5   | Operations gsmSRF→gsmSCF .....   | 108 |
| 10.1.10.6   | Operations smsSSF→gsmSCF .....   | 108 |
| 10.1.10.7   | Operations gsmSCF→smsSSF .....   | 108 |
| 10.1.10.8   | Operations gprsSSF →gsmSCF .....   | 108 |
| 10.1.10.9   | Operations gsmSCF→gprsSSF .....  | 108 |
| 10.1.11     | UnavailableResource .....  | 109 |
| 10.1.11.1   | General description .....  | 109 |
| 10.1.11.1.1 | Error description .....  | 109 |
| 10.1.11.2   | Operations gsmSCF→gsmSRF .....   | 109 |
| 10.1.12     | UnexpectedComponentSequence .....  | 109 |
| 10.1.12.1   | General description .....  | 109 |
| 10.1.12.1.1 | Error description .....  | 109 |
| 10.1.12.2   | Operations gsmSCF→gsmSSF .....   | 109 |
| 10.1.12.3   | Operations gsmSSF→gsmSCF .....   | 109 |
| 10.1.12.4   | Operations gsmSCF→gsmSRF (applicable for direct gsmSCF-gsmSRF case only) ..... | 109 |
| 10.1.12.5   | Operations gsmSRF→gsmSCF .....   | 109 |
| 10.1.12.6   | Operations smsSSF →gsmSCF .....  | 110 |
| 10.1.12.7   | Operations gsmSCF→smsSSF .....   | 110 |
| 10.1.12.8   | Operations gprsSSF →gsmSCF .....   | 110 |
| 10.1.12.9   | Operations gsmSCF→gprsSSF .....  | 110 |
| 10.1.13     | UnexpectedDataValue .....  | 110 |
| 10.1.13.1   | General description .....  | 110 |
| 10.1.13.1.1 | Error description .....  | 110 |
| 10.1.13.2   | Operations gsmSCF→gsmSSF .....   | 110 |
| 10.1.13.3   | Operations gsmSSF→gsmSCF .....   | 110 |
| 10.1.13.4   | Operations gsmSCF→gsmSRF .....   | 110 |
| 10.1.13.5   | Operations gsmSRF→gsmSCF .....   | 110 |
| 10.1.13.6   | Operations smsSSF→gsmSCF .....   | 111 |
| 10.1.13.7   | Operations gsmSCF→smsSSF .....   | 111 |
| 10.1.13.8   | Operations gprsSSF →gsmSCF .....   | 111 |
| 10.1.13.9   | Operations gsmSCF→gprsSSF .....  | 111 |
| 10.1.14     | UnexpectedParameter .....  | 111 |
| 10.1.14.1   | General description .....  | 111 |
| 10.1.14.1.1 | Error description .....  | 111 |
| 10.1.14.2   | Operations gsmSCF→gsmSSF .....   | 111 |
| 10.1.14.3   | Operations gsmSSF→gsmSCF .....   | 111 |
| 10.1.14.4   | Operations gsmSCF→gsmSRF .....   | 111 |
| 10.1.14.5   | Operations gsmSRF→gsmSCF .....   | 111 |
| 10.1.14.6   | Operations smsSSF→gsmSCF .....   | 111 |
| 10.1.14.7   | Operations gsmSCF→smsSSF .....   | 111 |
| 10.1.14.8   | Operations gprsSSF →gsmSCF .....   | 111 |
| 10.1.14.9   | Operations gsmSCF→gprsSSF .....  | 112 |
| 10.1.15     | UnknownLegID .....   | 112 |
| 10.1.15.1   | General description .....  | 112 |
| 10.1.15.1.1 | Error description .....  | 112 |
| 10.1.15.2   | Operations gsmSCF→gsmSSF .....   | 112 |
| 10.1.16     | UnknownCSID .....  | 112 |
| 10.1.16.1   | General description .....  | 112 |
| 10.1.16.1.1 | Error description .....  | 112 |
| 10.1.16.2   | Operations gsmSCF→gsmSSF .....   | 112 |

|             |   |     |
|-------------|---|-----|
| 10.1.17     | UnknownPDPID .....  | 112 |
| 10.1.17.1   | General description .....   | 112 |
| 10.1.17.1.1 | Error description .....   | 112 |
| 10.1.17.2   | Operations gprsSSF→gsmSCF .....                                       | 112 |
| 10.1.17.3   | Operations gsmSCF→gprsSSF .....                                       | 112 |
| 10.2        | Entity related error procedures .....                                 | 112 |
| 10.2.1      | Expiration of Tssf .....  | 113 |
| 10.2.1.1    | General description .....   | 113 |
| 10.2.1.1.1  | Error description .....   | 113 |
| 10.2.1.2    | Procedures gsmSSF→gsmSCF .....  | 113 |
| 10.2.1.3    | Procedures gprsSSF→gsmSCF .....                                       | 113 |
| 10.2.1.4    | Procedures smsSSF→gsmSCF .....  | 113 |
| 10.2.2      | Expiration of Tsrfs .....   | 114 |
| 10.2.2.1    | General Description .....   | 114 |
| 10.2.2.1.1  | Error description .....   | 114 |
| 10.2.2.2    | Procedures description .....  | 114 |
| 11          | Detailed operation procedures for circuit switched call control ..... | 114 |
| 11.1        | ActivityTest procedure .....  | 114 |
| 11.1.1      | General description .....   | 114 |
| 11.1.1.1    | Parameters .....  | 114 |
| 11.1.2      | Responding entity (gsmSSF, gsmSRF or assist gsmSSF) .....             | 114 |
| 11.1.2.1    | Normal procedure .....  | 114 |
| 11.1.2.2    | Error handling .....  | 115 |
| 11.2        | ApplyCharging procedure .....   | 115 |
| 11.2.1      | General description .....   | 115 |
| 11.2.1.1    | Parameters .....  | 115 |
| 11.2.2      | Responding entity (gsmSSF) .....                                      | 116 |
| 11.2.2.1    | Normal procedure .....  | 116 |
| 11.2.2.2    | Error handling .....  | 117 |
| 11.3        | ApplyChargingReport procedure .....                                   | 117 |
| 11.3.1      | General description .....   | 117 |
| 11.3.1.1    | Parameters .....  | 118 |
| 11.3.2      | Invoking entity (gsmSSF) .....  | 119 |
| 11.3.2.1    | Normal procedure .....  | 119 |
| 11.3.2.2    | Error handling .....  | 119 |
| 11.4        | AssistRequestInstructions procedure .....                             | 119 |
| 11.4.1      | General description .....   | 119 |
| 11.4.1.1    | Parameters .....  | 119 |
| 11.4.2      | Invoking entity (gsmSSF/gsmSRF) .....                                 | 120 |
| 11.4.2.1    | Normal procedure .....  | 120 |
| 11.4.2.2    | Error handling .....  | 120 |
| 11.5        | CallGap procedure .....   | 120 |
| 11.5.1      | General description .....   | 120 |
| 11.5.1.1    | Parameters .....  | 120 |
| 11.5.2      | Responding entity (gsmSSF) .....                                      | 122 |
| 11.5.2.1    | Normal procedure .....  | 122 |
| 11.5.2.2    | Error handling .....  | 124 |
| 11.6        | CallInformationReport procedure .....                                 | 124 |
| 11.6.1      | General description .....   | 124 |
| 11.6.1.1    | Parameters .....  | 124 |
| 11.6.2      | Invoking entity (gsmSSF) .....  | 124 |
| 11.6.2.1    | Normal procedure .....  | 124 |
| 11.6.2.2    | Error handling .....  | 125 |
| 11.7        | CallInformationRequest procedure .....                                | 125 |
| 11.7.1      | General description .....   | 125 |
| 11.7.1.1    | Parameters .....  | 125 |
| 11.7.2      | Responding entity (gsmSSF) .....                                      | 125 |
| 11.7.2.1    | Normal procedure .....  | 125 |
| 11.7.2.2    | Error handling .....  | 126 |
| 11.8        | Cancel procedure .....  | 126 |
| 11.8.1      | General description .....   | 126 |

|           |   |     |
|-----------|---|-----|
| 11.8.1.1  | Parameters .....  | 126 |
| 11.8.2    | Responding entity (gsmSRF) .....                        | 126 |
| 11.8.2.1  | Normal procedure .....                                  | 126 |
| 11.8.2.2  | Error handling .....                                    | 127 |
| 11.8.3    | Responding entity (gsmSSF) .....                        | 127 |
| 11.8.3.1  | Normal procedure .....                                  | 127 |
| 11.8.3.2  | Error handling .....                                    | 127 |
| 11.8A     | CollectInformation Procedure .....                      | 127 |
| 11.8A.1   | General description .....                               | 127 |
| 11.8A.1.1 | Parameters .....  | 127 |
| 11.8A.2   | Responding entity (gsmSSF) .....                        | 127 |
| 11.8A.2.1 | Normal procedure .....                                  | 127 |
| 11.8A.2.2 | Error handling .....                                    | 128 |
| 11.9      | Connect procedure .....                                 | 128 |
| 11.9.1    | General description .....                               | 128 |
| 11.9.1.1  | Parameters .....  | 128 |
| 11.9.2    | Responding entity (gsmSSF) .....                        | 129 |
| 11.9.2.1  | Normal procedure .....                                  | 129 |
| 11.9.2.2  | Error handling .....                                    | 130 |
| 11.10     | ConnectToResource procedure .....                       | 130 |
| 11.10.1   | General description .....                               | 130 |
| 11.10.1.1 | Parameters .....  | 130 |
| 11.10.2   | Responding entity (gsmSSF) .....                        | 130 |
| 11.10.2.1 | Normal procedure .....                                  | 130 |
| 11.10.2.2 | Error handling .....                                    | 131 |
| 11.11     | Continue procedure .....                                | 131 |
| 11.11.1   | General description .....                               | 131 |
| 11.11.1.1 | Parameters .....  | 131 |
| 11.11.2   | Responding entity (gsmSSF) .....                        | 131 |
| 11.11.2.1 | Normal procedure .....                                  | 131 |
| 11.11.2.2 | Error handling .....                                    | 131 |
| 11.12     | ContinueWithArgument Procedure .....                    | 131 |
| 11.12.1   | General description .....                               | 131 |
| 11.12.1.1 | Parameters .....  | 132 |
| 11.12.2   | Responding entity (gsmSSF) .....                        | 133 |
| 11.12.2.1 | Normal procedure .....                                  | 133 |
| 11.12.2.2 | Error handling .....                                    | 133 |
| 11.13     | DisconnectForwardConnection procedure .....             | 133 |
| 11.13.1   | General Description .....                               | 133 |
| 11.13.1.1 | Parameters .....  | 133 |
| 11.13.2   | Responding entity (gsmSSF) .....                        | 134 |
| 11.13.2.1 | Normal procedure .....                                  | 134 |
| 11.13.2.2 | Error handling .....                                    | 134 |
| 11.14     | DisconnectForwardConnectionWithArgument procedure ..... | 134 |
| 11.14.1   | General Description .....                               | 134 |
| 11.14.1.1 | Parameters .....  | 134 |
| 11.14.2   | Responding entity (gsmSSF) .....                        | 134 |
| 11.14.2.1 | Normal procedure .....                                  | 134 |
| 11.14.2.2 | Error handling .....                                    | 135 |
| 11.15     | DisconnectLeg procedure .....                           | 135 |
| 11.15.1   | General Description .....                               | 135 |
| 11.15.1.1 | Parameters .....  | 135 |
| 11.15.2   | Responding entity (gsmSSF) .....                        | 135 |
| 11.15.2.1 | Normal procedure .....                                  | 135 |
| 11.15.2.2 | Error handling .....                                    | 136 |
| 11.16     | EntityReleased procedure .....                          | 136 |
| 11.16.1   | General Description .....                               | 136 |
| 11.16.1.1 | Parameters .....  | 136 |
| 11.16.2   | Invoking entity (gsmSSF) .....                          | 136 |
| 11.16.2.1 | Normal procedure .....                                  | 136 |
| 11.16.2.2 | Error handling .....                                    | 136 |
| 11.17     | EstablishTemporaryConnection procedure .....            | 137 |



|             |   |     |
|-------------|---|-----|
| 11.17.1     | General Description .....                       | 137 |
| 11.17.1.1   | Parameters .....                                | 137 |
| 11.17.2     | Responding entity (gsmSSF) .....                | 138 |
| 11.17.2.1   | Normal procedure .....                          | 138 |
| 11.17.2.2   | Error handling .....                            | 138 |
| 11.18       | EventReportBCSM procedure .....                 | 138 |
| 11.18.1     | General description .....                       | 138 |
| 11.18.1.1   | Parameters .....                                | 138 |
| 11.18.2     | Invoking entity (gsmSSF) .....                  | 140 |
| 11.18.2.1   | Normal procedure .....                          | 140 |
| 11.18.2.2   | Error handling .....                            | 140 |
| 11.19       | FurnishChargingInformation procedure .....      | 141 |
| 11.19.1     | General description .....                       | 141 |
| 11.19.1.1   | Parameters .....                                | 141 |
| 11.19.2     | Responding entity (gsmSSF) .....                | 141 |
| 11.19.2.1   | Normal procedure .....                          | 141 |
| 11.19.2.2   | Error handling .....                            | 142 |
| 11.20       | InitialDP procedure .....                       | 142 |
| 11.20.1     | General description .....                       | 142 |
| 11.20.1.1   | Parameters .....                                | 142 |
| 11.20.2     | Invoking entity (gsmSSF) .....                  | 145 |
| 11.20.2.1   | Normal procedure .....                          | 145 |
| 11.20.2.2   | Error handling .....                            | 146 |
| 11.21       | InitiateCallAttempt procedure .....             | 146 |
| 11.21.1     | General Description .....                       | 146 |
| 11.21.1.1   | Parameters .....                                | 146 |
| 11.21.1.1.1 | Argument Parameters .....                       | 146 |
| 11.21.1.1.2 | Result Parameters .....                         | 146 |
| 11.21.2     | Responding entity (gsmSSF) .....                | 147 |
| 11.21.2.1   | Normal procedure .....                          | 147 |
| 11.21.2.2   | Error handling .....                            | 147 |
| 11.22       | MoveLeg procedure .....                         | 147 |
| 11.22.1     | General Description .....                       | 147 |
| 11.22.1.1   | Parameters .....                                | 147 |
| 11.22.2     | Responding entity (gsmSSF) .....                | 147 |
| 11.22.2.1   | Normal procedure .....                          | 147 |
| 11.22.2.2   | Error handling .....                            | 148 |
| 11.23       | PlayAnnouncement procedure .....                | 148 |
| 11.23.1     | General description .....                       | 148 |
| 11.23.1.1   | Parameters .....                                | 148 |
| 11.23.2     | Responding entity (gsmSRF) .....                | 149 |
| 11.23.2.1   | Normal procedure .....                          | 149 |
| 11.23.2.2   | Error handling .....                            | 150 |
| 11.24       | PlayTone procedure .....                        | 150 |
| 11.24.1     | General description .....                       | 150 |
| 11.24.1.1   | Parameters .....                                | 150 |
| 11.24.2     | Responding entity (gsmSSF) .....                | 150 |
| 11.24.2.1   | Normal procedure .....                          | 150 |
| 11.24.2.2   | Error handling .....                            | 151 |
| 11.25       | PromptAndCollectUserInformation procedure ..... | 151 |
| 11.25.1     | General description .....                       | 151 |
| 11.25.1.1   | Parameters .....                                | 151 |
| 11.25.2     | Responding entity (gsmSRF) .....                | 154 |
| 11.25.2.1   | Normal procedure .....                          | 154 |
| 11.25.2.2   | Error handling .....                            | 154 |
| 11.26       | ReleaseCall procedure .....                     | 155 |
| 11.26.1     | General description .....                       | 155 |
| 11.26.1.1   | Parameters .....                                | 155 |
| 11.26.2     | Responding entity (gsmSSF) .....                | 155 |
| 11.26.2.1   | Normal procedure .....                          | 155 |
| 11.26.2.2   | Error handling .....                            | 155 |
| 11.27       | RequestReportBCSMEvent procedure .....          | 155 |

|           |   |     |
|-----------|---|-----|
| 11.27.1   | General description .....                           | 155 |
| 11.27.1.1 | Parameters .....                                    | 156 |
| 11.27.2   | Responding entity (gsmSSF) .....                    | 157 |
| 11.27.2.1 | Normal procedure .....                              | 157 |
| 11.27.2.2 | Error handling .....                                | 157 |
| 11.28     | ResetTimer procedure .....                          | 158 |
| 11.28.1   | General description .....                           | 158 |
| 11.28.1.1 | Parameters .....                                    | 158 |
| 11.28.2   | Responding entity (gsmSSF) .....                    | 158 |
| 11.28.2.1 | Normal procedure .....                              | 158 |
| 11.28.2.2 | Error handling .....                                | 158 |
| 11.29     | SendChargingInformation procedure .....             | 158 |
| 11.29.1   | General description .....                           | 158 |
| 11.29.1.1 | Parameters .....                                    | 158 |
| 11.29.2   | Responding entity (gsmSSF) .....                    | 159 |
| 11.29.2.1 | Normal procedure .....                              | 159 |
| 11.29.2.2 | Error handling .....                                | 160 |
| 11.30     | SpecializedResourceReport procedure .....           | 160 |
| 11.30.1   | General description .....                           | 160 |
| 11.30.1.1 | Parameters .....                                    | 160 |
| 11.30.2   | Invoking entity (gsmSRF) .....                      | 160 |
| 11.30.2.1 | Normal procedure .....                              | 160 |
| 11.30.2.2 | Error handling .....                                | 161 |
| 11.31     | SplitLeg Procedure .....                            | 161 |
| 11.31.1   | General Description .....                           | 161 |
| 11.31.1.1 | Parameters .....                                    | 161 |
| 11.31.2   | Responding entity (gsmSSF) .....                    | 161 |
| 11.31.2.1 | Normal procedure .....                              | 161 |
| 11.31.2.2 | Error handling .....                                | 161 |
| 12        | Detailed operation procedures for SMS control ..... | 162 |
| 12.1      | ConnectSMS procedure .....                          | 162 |
| 12.1.1    | General description .....                           | 162 |
| 12.1.1.1  | Parameters .....                                    | 162 |
| 12.1.2    | Responding entity (smsSSF) .....                    | 162 |
| 12.1.2.1  | Normal procedure .....                              | 162 |
| 12.1.2.2  | Error handling .....                                | 163 |
| 12.2      | ContinueSMS procedure .....                         | 163 |
| 12.2.1    | General description .....                           | 163 |
| 12.2.1.1  | Parameters .....                                    | 163 |
| 12.2.2    | Responding entity (smsSSF) .....                    | 163 |
| 12.2.2.1  | Normal procedure .....                              | 163 |
| 12.2.2.2  | Error handling .....                                | 163 |
| 12.3      | EventReportSMS procedure .....                      | 163 |
| 12.3.1    | General description .....                           | 163 |
| 12.3.1.1  | Parameters .....                                    | 163 |
| 12.3.2    | Invoking entity (smsSSF) .....                      | 164 |
| 12.3.2.1  | Normal procedure .....                              | 164 |
| 12.3.2.2  | Error handling .....                                | 164 |
| 12.4      | FurnishChargingInformationSMS procedure .....       | 164 |
| 12.4.1    | General description .....                           | 164 |
| 12.4.1.1  | Parameters .....                                    | 164 |
| 12.4.2    | Responding entity (smsSSF) .....                    | 165 |
| 12.4.2.1  | Normal procedure .....                              | 165 |
| 12.4.2.2  | Error handling .....                                | 165 |
| 12.5      | InitialDPSMS procedure .....                        | 165 |
| 12.5.1    | General description .....                           | 165 |
| 12.5.1.1  | Parameters .....                                    | 165 |
| 12.5.2    | Invoking entity (smsSSF) .....                      | 166 |
| 12.5.2.1  | Normal procedure .....                              | 166 |
| 12.5.2.2  | Error handling .....                                | 167 |
| 12.6      | ReleaseSMS procedure .....                          | 167 |

|          |  |     |
|----------|--|-----|
| 12.6.1   | General description .....                            | 167 |
| 12.6.1.1 | Parameters .....                                     | 167 |
| 12.6.2   | Responding entity (smsSSF) .....                     | 167 |
| 12.6.2.1 | Normal procedure .....                               | 167 |
| 12.6.2.2 | Error handling .....                                 | 167 |
| 12.7     | RequestReportSMSEvent procedure .....                | 167 |
| 12.7.1   | General description .....                            | 167 |
| 12.7.1.1 | Parameters .....                                     | 168 |
| 12.7.2   | Responding entity (smsSSF) .....                     | 168 |
| 12.7.2.1 | Normal procedure .....                               | 168 |
| 12.7.2.2 | Error handling .....                                 | 168 |
| 12.8     | ResetTimerSMS procedure .....                        | 168 |
| 12.8.1   | General description .....                            | 168 |
| 12.8.1.1 | Parameters .....                                     | 168 |
| 12.8.2   | Responding entity (smsSSF) .....                     | 169 |
| 12.8.2.1 | Normal procedure .....                               | 169 |
| 12.8.2.2 | Error handling .....                                 | 169 |
| 13       | Detailed operation procedures for GPRS control ..... | 169 |
| 13.1     | ActivityTestGPRS procedure .....                     | 169 |
| 13.1.1   | General description .....                            | 169 |
| 13.1.1.1 | Parameters .....                                     | 169 |
| 13.1.2   | Responding entity (gprsSSF) .....                    | 169 |
| 13.1.2.1 | Normal procedure .....                               | 169 |
| 13.1.2.2 | Error handling .....                                 | 170 |
| 13.2     | ApplyChargingGPRS procedure .....                    | 170 |
| 13.2.1   | General description .....                            | 170 |
| 13.2.1.1 | Parameters .....                                     | 170 |
| 13.2.2   | Responding entity (gprsSSF) .....                    | 170 |
| 13.2.2.1 | Normal procedure .....                               | 170 |
| 13.2.2.2 | Error handling .....                                 | 171 |
| 13.3     | ApplyChargingReportGPRS procedure .....              | 171 |
| 13.3.1   | General description .....                            | 171 |
| 13.3.1.1 | Parameters .....                                     | 171 |
| 13.3.2   | Invoking entity (gprsSSF) .....                      | 173 |
| 13.3.2.1 | Normal procedure .....                               | 173 |
| 13.3.2.2 | Error handling .....                                 | 173 |
| 13.4     | CancelGPRS procedure .....                           | 174 |
| 13.4.1   | General description .....                            | 174 |
| 13.4.1.1 | Parameters .....                                     | 174 |
| 13.4.2   | Responding entity (gprsSSF) .....                    | 174 |
| 13.4.2.1 | Normal procedure .....                               | 174 |
| 13.4.2.2 | Error handling .....                                 | 174 |
| 13.5     | ConnectGPRS procedure .....                          | 174 |
| 13.5.1   | General description .....                            | 174 |
| 13.5.1.1 | Parameters .....                                     | 174 |
| 13.5.2   | Responding entity (gprsSSF) .....                    | 175 |
| 13.5.2.1 | Normal procedure .....                               | 175 |
| 13.5.2.2 | Error handling .....                                 | 175 |
| 13.6     | ContinueGPRS procedure .....                         | 175 |
| 13.6.1   | General description .....                            | 175 |
| 13.6.1.1 | Parameters .....                                     | 175 |
| 13.6.2   | Responding entity (gprsSSF) .....                    | 175 |
| 13.6.2.1 | Normal procedure .....                               | 175 |
| 13.6.2.2 | Error handling .....                                 | 176 |
| 13.7     | EntityReleasedGPRS procedure .....                   | 176 |
| 13.7.1   | General description .....                            | 176 |
| 13.7.1.1 | Parameters .....                                     | 176 |
| 13.7.2   | Invoking entity (gprsSSF) .....                      | 176 |
| 13.7.2.1 | Normal procedure .....                               | 176 |
| 13.7.2.2 | Error handling .....                                 | 176 |
| 13.8     | EventReportGPRS procedure .....                      | 177 |

|            |  |     |
|------------|--|-----|
| 13.8.1     | General description .....                        | 177 |
| 13.8.1.1   | Parameters .....                                 | 177 |
| 13.8.2     | Invoking entity (gprsSSF) .....                  | 178 |
| 13.8.2.1   | Normal procedure .....                           | 178 |
| 13.8.2.2   | Error handling .....                             | 178 |
| 13.9       | FurnishChargingInformationGPRS procedure .....   | 178 |
| 13.9.1     | General description .....                        | 178 |
| 13.9.1.1   | Parameters .....                                 | 178 |
| 13.9.2     | Responding entity (gprsSSF) .....                | 179 |
| 13.9.2.1   | Normal procedure .....                           | 179 |
| 13.9.2.2   | Error handling .....                             | 179 |
| 13.10      | InitialDPGPRS procedure .....                    | 179 |
| 13.10.1    | General description .....                        | 179 |
| 13.10.1.1  | Parameters .....                                 | 179 |
| 13.10.2    | Invoking entity (gprsSSF) .....                  | 180 |
| 13.10.2.1  | Normal procedure .....                           | 180 |
| 13.10.2.2  | Error handling .....                             | 181 |
| 13.11      | ReleaseGPRS procedure .....                      | 181 |
| 13.11.1    | General description .....                        | 181 |
| 13.11.1.1  | Parameters .....                                 | 181 |
| 13.11.2    | Responding entity (gprsSSF) .....                | 181 |
| 13.11.2.1  | Normal procedure .....                           | 181 |
| 13.11.2.2  | Error handling .....                             | 182 |
| 13.12      | RequestReportGPRSEvent procedure .....           | 182 |
| 13.12.1    | General description .....                        | 182 |
| 13.12.1.1  | Parameters .....                                 | 182 |
| 13.12.2    | Responding entity (gprsSSF) .....                | 182 |
| 13.12.2.1  | Normal procedure .....                           | 182 |
| 13.12.2.2  | Error handling .....                             | 183 |
| 13.13      | ResetTimerGPRS procedure .....                   | 183 |
| 13.13.1    | General description .....                        | 183 |
| 13.13.1.1  | Parameters .....                                 | 183 |
| 13.13.2    | Responding entity (gprsSSF) .....                | 183 |
| 13.13.2.1  | Normal procedure .....                           | 183 |
| 13.13.2.2  | Error handling .....                             | 183 |
| 13.14      | SendChargingInformationGPRS Procedure .....      | 183 |
| 13.14.1    | General description .....                        | 183 |
| 13.14.1.1  | Parameters .....                                 | 183 |
| 13.14.2    | Responding Entity (gprsSSF) .....                | 184 |
| 13.14.2.1  | Normal Procedure .....                           | 184 |
| 13.14.2.2  | Error handling .....                             | 184 |
| 14         | Services assumed from lower layers .....         | 185 |
| 14.1       | Services assumed from TC .....                   | 185 |
| 14.1.1     | Common procedures .....                          | 185 |
| 14.1.1.1   | Normal procedures .....                          | 185 |
| 14.1.1.2   | Abnormal procedures .....                        | 186 |
| 14.1.1.3   | Dialogue handling .....                          | 187 |
| 14.1.1.3.1 | Dialogue establishment .....                     | 187 |
| 14.1.1.3.2 | Dialogue continuation .....                      | 188 |
| 14.1.1.3.3 | Dialogue termination .....                       | 188 |
| 14.1.1.3.4 | User abort .....                                 | 188 |
| 14.1.1.3.5 | Provider abort .....                             | 189 |
| 14.1.1.3.6 | Mapping to TC dialogue primitives .....          | 189 |
| 14.1.1.3.7 | Default mapping to TC dialogue parameters .....  | 190 |
| 14.1.1.4   | Component handling .....                         | 190 |
| 14.1.1.4.1 | Procedures for CAP Operations .....              | 190 |
| 14.1.1.4.2 | Mapping to TC component primitives .....         | 192 |
| 14.1.1.4.3 | Default mapping to TC component parameters ..... | 193 |
| 14.1.2     | gsmSSF-gsmSCF interfaces .....                   | 194 |
| 14.1.2.1   | Normal procedures .....                          | 194 |
| 14.1.2.1.1 | gsmSSF-to-gsmSCF messages .....                  | 194 |

|              |  |     |
|--------------|--|-----|
| 14.1.2.1.2   | gsmSCF-to-gsmSSF messages .....              | 195 |
| 14.1.2.1.3   | smsSSF -to-gsmSCF SMS related messages ..... | 195 |
| 14.1.2.1.4   | gsmSCF-to-smsSSF SMS related messages .....  | 196 |
| 14.1.2.1.5   | Use of dialogue handling services .....      | 196 |
| 14.1.2.2     | Abnormal procedures .....                    | 196 |
| 14.1.2.2.1   | gsmSCF-to-gsmSSF/gsmSRF messages .....       | 196 |
| 14.1.2.2.2   | gsmSSF/gsmSRF/ -to-gsmSCF messages .....     | 196 |
| 14.1.2.2.3   | gsmSCF-to-smsSSF SMS related messages .....  | 197 |
| 14.1.2.2.4   | smsSSF-to-gsmSCF SMS related messages .....  | 197 |
| 14.1.2.2.5   | Use of dialogue handling services .....      | 197 |
| 14.1.2.3     | Dialogue handling .....                      | 198 |
| 14.1.2.3.1   | Dialogue establishment .....                 | 198 |
| 14.1.2.3.2   | Dialogue continuation .....                  | 198 |
| 14.1.2.3.3   | Dialogue termination .....                   | 198 |
| 14.1.2.3.4   | User abort .....                             | 198 |
| 14.1.2.3.5   | Provider abort .....                         | 198 |
| 14.1.2.3.6   | Mapping to TC dialogue primitives.....       | 198 |
| 14.1.2.4     | Component Handling .....                     | 198 |
| 14.1.2.4.1   | Procedures for CAP Operations .....          | 198 |
| 14.1.2.4.2   | Mapping to TC component parameters .....     | 198 |
| 14.1.3       | gsmSCF-gsmSRF interface.....                 | 199 |
| 14.1.3.1     | Normal procedures .....                      | 199 |
| 14.1.3.1.1   | gsmSCF-to/from-gsmSRF messages .....         | 199 |
| 14.1.3.1.2   | Abnormal procedures .....                    | 199 |
| 14.1.3.1.3   | Dialogue handling .....                      | 199 |
| 14.1.3.1.3.1 | Dialogue establishment .....                 | 199 |
| 14.1.3.1.3.2 | Dialogue continuation .....                  | 199 |
| 14.1.3.1.3.3 | Dialogue termination .....                   | 199 |
| 14.1.3.1.3.4 | User abort.....                              | 199 |
| 14.1.3.1.3.5 | Provider abort .....                         | 199 |
| 14.1.3.1.3.6 | Mapping to TC dialogue primitives .....      | 199 |
| 14.1.3.2     | Component handling .....                     | 200 |
| 14.1.3.2.1   | Procedures for CAP Operations .....          | 200 |
| 14.1.3.2.2   | Mapping to TC component parameters .....     | 200 |
| 14.1.4       | gprsSSF-gsmSCF interface.....                | 200 |
| 14.1.4.1     | Normal procedures .....                      | 200 |
| 14.1.4.1.1   | TC-dialogues and relationships .....         | 200 |
| 14.1.4.1.2   | Use of the GPRS Reference.....               | 200 |
| 14.1.4.1.3   | gprsSSF-to-gsmSCF messages .....             | 201 |
| 14.1.4.1.4   | gsmSCF-to-gprsSSF messages .....             | 202 |
| 14.1.4.2     | Abnormal procedures .....                    | 202 |
| 14.1.4.2.1   | gsmSCF-to-gprsSSF messages .....             | 202 |
| 14.1.4.2.2   | gprsSSF-to-gsmSCF messages .....             | 203 |
| 14.1.4.2.3   | Default GPRS Handling .....                  | 203 |
| 14.2         | Services assumed from SCCP .....             | 203 |
| 14.2.1       | Normal procedures.....                       | 204 |
| 14.2.2       | Service functions from SCCP .....            | 204 |
| 14.2.2.1     | SCCP connectionless services.....            | 204 |
| 14.2.2.1.1   | Sub-System Number (SSN).....                 | 204 |
| 14.2.2.1.2   | Addressing.....                              | 204 |
| 14.2.2.1.3   | Sequence control .....                       | 208 |
| 14.2.2.1.4   | Return on error .....                        | 208 |
| 14.2.2.1.5   | Segmentation / reassembly .....              | 208 |
| 14.2.2.1.6   | Congestion control.....                      | 208 |
| 14.2.2.2     | SCCP connection oriented services.....       | 208 |
| 14.2.2.3     | SCCP management.....                         | 209 |

## **Annex A (normative): Mapping between CAP and ISUP .....210**

|       |                                      |     |
|-------|--------------------------------------|-----|
| A.1   | InitialDP operation .....            | 210 |
| A.1.1 | EventReportBCSM Operation.....       | 211 |
| A.2   | ContinueWithArgument operation ..... | 211 |

|   |  |     |
|---|--|-----|
| A.3   | Connect operation .....                      | 211 |
| A.4   | AssistRequestInstructions operation .....    | 214 |
| A.5   | ConnectToResource operation .....            | 214 |
| A.6   | EstablishTemporaryConnection operation ..... | 215 |
| A.7   | ReleaseCall operation.....                   | 216 |
| A.8   | InitiateCallAttempt operation.....           | 216 |
| <b>Annex B (normative): Mapping between CAP and MAP and mapping between CAP and SM-CP.....217</b> |  |     |
| B.1   | Mapping between CAP and MAP .....            | 217 |
| B.1.1   | MO-SMS .....                                 | 217 |
| B.1.1.1   | ConnectSMS operation .....                   | 217 |
| B.1.1.2   | EventReportSMS operation .....               | 217 |
| B.1.2   | MT-SMS .....                                 | 218 |
| B.1.2.1   | InitialDPSMS operation (MT-SMS).....         | 218 |
| B.1.2.2   | ReleaseSMS operation (MT-SMS) .....          | 218 |
| B.2   | Mapping between CAP and SM-CP.....           | 218 |
| B.2.1   | MO-SMS .....                                 | 218 |
| B.2.1.1   | InitialDPSMS operation.....                  | 218 |
| B.2.1.2   | ReleaseSMS operation.....                    | 219 |
| B.2.2   | MT-SMS .....                                 | 219 |
| B.2.2.1   | ConnectSMS operation .....                   | 219 |
| B.2.2.2   | EentReportSMS operation .....                | 219 |
| <b>Annex C (informative): Change history .....220</b>   |  |     |
|   | History .....                                | 222 |

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# Foreword

This Technical Specification (TS) has been produced by the 3<sup>rd</sup> Generation Partnership Project (3GPP).

The present document identifies the 3G system specifications for Rel-5.

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
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# 1 Scope

The present document specifies the CAMEL Application Part (CAP) supporting the fourth phase of the network feature Customized Applications for Mobile network Enhanced Logic. CAP is based on a sub-set of the ETSI Core INAP CS-2 as specified by ETSI EN 301 140-1 [26]. Descriptions and definitions provided by ETSI EN 301 140-1 [26] are directly referenced by this standard in the case no additions or clarifications are needed for the use in the CAP.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] EN 302 646-1 v7 (3GPP TS 09.12 Phase 2+): "Application of ISDN User Part (ISUP) version 2 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification".
- [2] 3GPP TS 22.024: "Description of Charge Advice Information (CAI)".
- [3] 3GPP TS 22.078: "Customised Applications for Mobile network Enhanced Logic (CAMEL); Service description, Stage 1".
- [4] 3GPP TS 22.115: "Service Aspects Charging and Billing".
- [5] 3GPP TS 23.003: "Numbering, addressing and identification".
- [6] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS); Point-to-Point (PP)".
- [7] 3GPP TS 23.078: " Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2".
- [8] 3GPP TS 23.079: "Support of Optimal Routeing (SOR); Technical realization".
- [9] 3GPP TS 24.008: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 specification (3GPP TS 24.008)".
- [10] 3GPP TS 24.011: "Point-to-Point (PP) Short Message Service (SMS); support on mobile radio interface".
- [11] 3GPP TS 29.002: "Digital cellular telecommunications system (Phase 2+); Mobile Application Part (MAP) specification (3GPP TS 29.002)".
- [12] 3GPP TS 29.060: "General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp Interface".
- [13] 3GPP TS 32.250: "Telecommunication Management; Charging Circuit Switched (CS) domain".
- [14] 3GPP TS 32.251: "Telecommunication Management; Charging Packet Switched (PS) domain".
- [15] 3GPP TS 23.038: "Alphabets and language-specific information".
- [16] 3GPP TS 23.172: "Technical realisation of Circuit Switched (CS) multimedia service UDI/RDI fallback and service modification; Stage 2".