

1.1 GSA Categorization of Standards

GSA categorizes its standards as Candidate Standards, Proposed Standards, or Recommended Standards.

- Standards identified as Candidate Standards are the least mature; changes to these standards should be expected in future releases.
- Standards identified as Proposed Standards have been reduced to practice and deployed; very few changes to these standards should be expected.
- Standards identified as Recommended Standards are the most mature and have been widely deployed; no changes to these standards should be expected.

The G2S and S2S Message Protocols have more granular categorization specifications. For S2S, the same categorization scale is used, but is done by class. For G2S, categorization is done by class and within each class, by Functional Group.

Further details about the categorization of standards and extensions can be found in the GSA Policy Handbook.

Table 1.1 GSA Standards

| | Standard | Category |
|------------------------|--|--|
| <i>Gaming Machines</i> | G2S Message Protocol v3.1 (G2S) | See Section 1.1.1, G2S v3.1 Categorization of Classes by Functional Groups for more information. |
| | Player User Interface v1.1 (PUI) | Proposed |
| | EGM Media Display Interface v3.1 (EMDI) | Proposed |
| <i>Gaming Devices</i> | Peripheral Manifest File Format v1.0 (PRF) | Candidate |
| | Bar Code Reader v1.4 | Recommended |
| | Coin Acceptor v1.4 | Candidate |
| | Card Reader v1.4 | Recommended |
| | Coin Hopper v1.4 | Candidate |
| | Connector v1.4 | Recommended |
| | Media Window v1.4 | Proposed |
| | Note Acceptor v1.4 | Recommended |
| | Printer Description Language v1.4(PDL) | Recommended |
| | Printer v1.4 | Recommended |
| | Touchscreen v1.4 | Candidate |
| <i>Gaming Systems</i> | S2S Message Protocol v2.0 (S2S) | See Section 1.1.2, S2S v2.0 Categorization of Classes for more information. |
| | Simple System Interface v1.1 (SSI) | Candidate |
| | Package Manifest File Format v1.1 (PKG) | Proposed |
| | Trusted GAT Results File Format v1.0 (TGR) | Candidate |

Table 1.1 GSA Standards

| | Standard | Category |
|----------------------|---|----------------------------|
| <i>Regulatory</i> | Network GAT Interface (NGI) v1.1 | Proposed |
| | Game Authentication Terminal (GAT) v4.2 | Recommended |
| | Certification Database Interface v1.0 (CDI) | <i>Not Yet Categorized</i> |
| <i>Transport</i> | Network & Security v2.1 | Recommended |
| | Multicast Transport v2.0 | Proposed |
| | Transport Negotiation v2.0 | Candidate |
| | P2P SOAP/HTTP Transport v2.1 | Recommended |
| | P2P WebSocket Transport v2.0 | Candidate |
| <i>Online Gaming</i> | Third-Party Game Interface v1.0 | Candidate |

1.1.1 G2S v3.1 Categorization of Classes by Functional Groups

Table 1.2 G2S v3.1 Categorization of Classes by Functional Group

| Class | Functional Group | Category |
|--|--|-------------|
| communications | Core Communications Functionality (Required) | Recommended |
| | Multicast Message Support | Candidate |
| | GSA Point-to-Point SOAP Transport Support | Recommended |
| | GSA Point-to-Point WebSocket Transport Support (Extension g2sWS) | Proposed |
| cabinet | Core Cabinet Functionality (Required) | Recommended |
| | Remote Restart Support | Candidate |
| | Operating Hours Support (Extension gtkOH) | Recommended |
| | Master Reset Support (Extension gtkMR) | Proposed |
| | Time Zone Offset Support (Extension g2s2) | Candidate |
| | Occupancy Meter Support (Extension g2sOC) | Candidate |
| | Game Audit Support (Extension g2sAUS) | Candidate |
| | Logic Seal Support (Extension g2sAUS) | Candidate |
| | Illegal Door Open Support (Extension g2sAUS) | Candidate |
| | Player-Initiated Configuration Changes (Extension g2sA) | Proposed |
| | Include Progressives in Return-to-Player (Extension g2sRTP) | Candidate |
| | Basic Substitution Token Group | Proposed |
| | Player Tracking Substitution Token Group | Proposed |
| | Wager Match Substitution Token Group (Extension igtWM) | Candidate |
| Formatting Substitution Token Group (Extension g2s2) | Candidate | |
| eventHandler | Core Event Reporting functionality (Required) | Recommended |
| meters | Core Meter Reporting Functionality (Required) | Recommended |
| | Audit Meter Support (Extension g2sAM) | Proposed |
| | Snapshot Meter Support (Extension g2sSNP) | Candidate |

Table 1.2 G2S v3.1 Categorization of Classes by Functional Group

| Class | Functional Group | Category |
|---------------|--|-------------|
| gamePlay | Core Game Play Functionality (Required) | Recommended |
| | Configure Accessible Games & Denominations (Extension gtkGC) | Proposed |
| | Game Outcome Support (Extension igtGO) | Proposed |
| | Game Outcome Optimal Value Support (Extension g2sOV) | Proposed |
| | Game Outcome DrawPoker Support (Extension igtPKR) | Proposed |
| | Extended Play Count Support (Extension g2sGP2) | Proposed |
| | Additional Paytable Detail Support (Extension g2sPTB) | Proposed |
| commConfig | Core Communications Configuration Functionality | Recommended |
| optionConfig | Core Option Configuration Functionality | Recommended |
| download | Core Software Download Functionality | Recommended |
| | Software Upload Support | Proposed |
| | Pause/Resume/Abort Support (Extension gtkDL) | Proposed |
| handpay | Core Handpay Functionality (Required) | Recommended |
| | Non-Validated Handpay Receipt Support (g2sNVR) | Candidate |
| coinAcceptor | Core Coin Acceptor Functionality | Recommended |
| | Promotional and Non-Cashable Coin/Token Support (Extension g2s2) | Candidate |
| noteAcceptor | Core Note Acceptor Functionality | Proposed |
| | Promotional and Non-Cashable Note Support (Extension g2s2) | Candidate |
| | Excessive Note Reject Support (Extension g2sERL) | Candidate |
| hopper | Core Coin Hopper Functionality | Proposed |
| | Promotional and Non-Cashable Coin/Token Support (Extension g2s2) | Candidate |
| noteDispenser | Core Note Dispenser Functionality | Candidate |
| | Promotional and Non-Cashable Note Support (Extension g2s2) | Candidate |
| printer | Core Printer Functionality | Recommended |
| | Host-Initiated Printing Support | Candidate |
| | Restrict Printing to Specific Players (Extension igtPrn) | Candidate |

Table 1.2 G2S v3.1 Categorization of Classes by Functional Group

| Class | Functional Group | Category |
|-------------|--|-------------|
| progressive | Core Progressive Functionality | Proposed |
| | EGM Discovery of Host Progressive Configuration | Candidate |
| idReader | Core ID Reader Functionality | Recommended |
| | Host-Controlled ID Reader | Candidate |
| | EGM-Controlled ID Reader | Recommended |
| | Multi-Lingual Support (Extension g2s2) | Candidate |
| | Enable/Disable Marketing-Oriented Messages for Specific Players (Extension g2s2) | Candidate |
| bonus | Core Bonus Functionality | Proposed |
| | Bonus Award Limits (Extension igtBonus) | Proposed |
| | Wager Match Bonus Support (Extension igtWM) | Candidate |
| | Multiple Jackpot Time Bonus Support (Extension igtMJT) | Candidate |
| | Multiple Jackpot Time and Wager Match Meters (Extension g2sMJT1) | Candidate |
| player | Core Player Tracking Functionality | Proposed |
| | Display Limit Support (Extension igtPlayer-limits) | Proposed |
| | Wager Match Player Support (Extension igtWMP) | Candidate |
| | Multi-Lingual Support (Extension g2s2) | Candidate |
| | Multiple ID Reader Support (Extension g2sMI) | Candidate |
| | Session Meter Delta Extension (Extension g2sSMD) | Candidate |
| voucher | Core Voucher Functionality | Proposed |
| | Issue Voucher Support | Proposed |
| | Redeem Voucher Support | Proposed |
| | Validation System Offline Support (Extension g2sVSO) | Candidate |
| | Offline Handpay Voucher Support (Extension g2sVSO1) | Candidate |
| wat | Core Wagering Account Functionality | Proposed |
| | EGM-Controlled User Interface | Candidate |
| gat | Core Game Authentication Functionality | Proposed |
| | Special Function Support | Proposed |
| | Cancel Verification Support (Extension g2sGVC) | Candidate |
| central | Core Central Determination Functionality | Candidate |

Table 1.2 G2S v3.1 Categorization of Classes by Functional Group

| Class | Functional Group | Category |
|----------------|--|-----------|
| mediaDisplay | Core Media Display (PUI) Functionality (Extension igtMediaDisplay) | Proposed |
| | Host to Content Support (Extension g2sHCI) | Proposed |
| | Content to Content Support (Extension g2sCCI) | Proposed |
| | EMDI Connection Required Support (Extension g2sCR) | Proposed |
| | Native Resolution Support (Extension g2sNR) | Proposed |
| | Modal Overlay Window Support (Extension g2sRMD) | Proposed |
| cashout | Core Remote Cash-Out Functionality (Extension gtkCO) | Candidate |
| informedPlayer | Core Informed Player Functionality (Extension tleIP) | Candidate |
| | Player Authentication Using PINs | Candidate |
| | Max Bet, Max Note, Min Game Cycle Support (Extension g2sIP1) | Candidate |
| gameTheme | Core Game Theme Functionality (g2sGT) | Candidate |
| smartCard | Core Smart Card Functionality (igtSC) | Candidate |
| | Secure Transaction Module Support (Extension g2sSTM) | Candidate |
| employee | Core Employee Tracking Functionality (Extension g2sEM) | Candidate |
| | Employee Activity Code Reporting | Candidate |
| tournament | Core Tournament Functionality (Extension g2sTR) | Proposed |
| | EGM-Controlled Tournament Registration | Candidate |
| | Tournament Standings Support | Candidate |
| hardware | Core Hardware Inventory (Extension g2sHW) | Proposed |
| dft | Core Direct Funds Transfer Functionality (Extension g2sDF) | Candidate |
| spc | Core Standalone Progressive Functionality (Extension g2sSP) | Candidate |
| mystery | Core Mystery Progressive Functionality (Extension g2sMP) | Proposed |
| sign | Core Sign Functionality (Extension g2sSN) | Candidate |
| | Display Recent Jackpots Hits | Candidate |

1.1.2 S2S v2.0 Categorization of Classes

Table 1.3 S2S v2.0 Categorization of Classes

| Class | Category |
|----------------------|-----------|
| s2sMessage Envelope | Proposed |
| communications | Proposed |
| openClose | Proposed |
| fillCredit | Proposed |
| marker | Proposed |
| jackpot | Proposed |
| authorization | Candidate |
| g2sPassthrough | Candidate |
| taxForm | Candidate |
| gat | Candidate |
| financialTransaction | Candidate |
| clientUpdate | Candidate |
| clientInfo | Candidate |
| propertyInfo | Candidate |
| playerInfo | Candidate |
| playerComp | Candidate |
| employeeInfo | Candidate |
| informedPlayerInfo | Candidate |
| clientEvents | Candidate |
| hotelReservation | Candidate |
| download | Candidate |
| playerTracking | Candidate |
| mediaEvent | Candidate |
| playerVoucher | Candidate |
| playerTransfer | Candidate |
| playerBonus | Candidate |
| playerProgressive | Candidate |
| playerHandpay | Candidate |
| playerMystery | Candidate |
| playerSign | Candidate |
| directTransfer | Candidate |

