



BUREAU OF THE
Fiscal Service
U.S. DEPARTMENT OF THE TREASURY

G-Invoicing Constructive Order Acceptance

(Planned Future Enhancement)

Version 1.0.1 – February 8, 2022

Constructive Order Acceptance (COA)

Objective:

- G-Invoicing to accommodate GSA Rent by offering COA
 - Seller to supply all required Order data, but buyer has opportunity to approve/reject
 - Support other business applications with a similar use case

Changes needed:

1. Partners choose Business Application “COA” on GT&C *New concept*
2. New validation rules applied to Seller Facilitated Orders (SFO) *New rules*
3. Build the COA feature to open Orders after 7 days *New concept*

What's not changing:

- SFO process flow (aka, State Diagram)
- Requesting Agency may provide all their SFO data elements
- Requesting Agency given opportunity to approve Orders
- Requesting Agency may dispute the charges
- Requesting Agency closes all Orders

General Terms and Conditions

- New data element: **Business Application** on GT&C *New concept*
 - “BizApp” allows G-Invoicing to apply conditional logic to govern GT&Cs and Orders without having to add new data elements to the GT&C
 - Example: BizApp = ‘Constructive Order Acceptance’
 - COA Days = 7
 - Order Originating Partner Indicator (on GT&C) = Servicing, and cannot be changed
 - Assisted Acquisition Indicator (on GT&C) = No, and cannot be changed
 - BizApp benefits:
 1. Allows the GT&C to focus on traditional 7600A business data
 2. Add new features without impacting FIDS, PDF, CSV, XML, etc.
 3. Less effort for ERP solutions to keep pace with new G-Invoicing features
 4. System controls (e.g., COA Days) are accessible but not burdensome
 5. Will allow certain conditional logic to be adjusted without a release (e.g., defaults)
 6. Eliminates brokering of non-negotiable terms and conditions (e.g., OOPI = S)
 7. Improves visibility of validation rules (now located in documents)
 8. Supports roll-up reporting by BizApp type (e.g., COA, EZ)
 9. Easier for Production Support to trouble-shoot conditional rules

Changes to GT&C and Order

- Add Business Application (BizApp) to GT&C *New data*
 - Affects FIDS, SM&VR, UI, Notification, PDF, CSV and XML
- Validation Rules to accommodate Constructive Order Acceptance
 - Order Originating Partner must be Servicing (SFO) *New rule*
 - FOB Point must be 'Source' *New rule*
 - Bona Fide Need, etc. may be supplied by Servicing Agency *New rules*
 - Requesting TAS may be modified by the Servicing Agency *New rule*
 - Include BizApp on Order e-mail Notification *New info*
- Requirements for Constructive Order Acceptance *New feature*
 - Orders will automatically move to open status
 - Wait seven full days after creation
 - No action if already fully approved/rejected by Requesting Agency
 - Requesting approver data will indicate COA accomplished by G-Invoicing
 - System rejects Order if required data not provided
 - COA applies to both new and modified Orders

Billing for BizApp COA (GSA Rent)

- **No changes** to current Performance functionality
- For rent, GSA will submit Delivered/Performed once the Order is approved
 - Performance Quantity will equal the Schedule Quantity
 - Performance Quantity may represent summarized amount
 - GSA will post detail charges on *Rent on Web*
- Requesting Agency optionally submits Received/Accepted
 - Same quantity to confirm the amount settled
 - Different quantity to dispute the amount settled
- Adjustments may occur, possibly years later
 - Orders may have to be reopened via Modification (initiated by GSA)
 - Adjustments must be charged to an open Accounting Period

Implementation Details

- The following slides document what needs to be changed in published G-Invoicing specifications in order to implement this new feature
- Implementation details are provided so that:
 - Product Owner(s) can confirm detailed business requirements
 - Development team(s) can visualize changes needed to support new features
- At this time, we cannot predict when development of this feature will begin, when it will be released into QA or Production, or in which release it will be included
- When the time comes to begin work on this feature, these details will be added to the specifications, a release will be targeted, and API specifications will be republished
- One of the implementation details described below is a move from XML to JSON payloads for APIs involving GT&Cs, Orders and Performance
 - Future (post-mandate) APIs will only support JSON payloads

Changes to GT&C FIDS and SM&VR

- GT&C Federal Intragovernmental Data Standards
 - Business Application *New data element*
 - A particular product line or type of operation, typically documented on an agreement between two business partners, and used to control attributes of that agreement and/or characterize transactions occurring under that agreement.
 - bizApp (JSON); type string; max length 100 characters
 - Updated via Modification; N/A if Orders exist
- GT&C System Mapping and Validation Rules
 - Business Application allowed values:
 - Standard
 - Apply GT&C validation rules as currently published
 - Constructive Order Acceptance
 - Order Originating Partner Indicator set to Servicing and cannot be changed
 - Assisted Acquisition Indicator set to No and cannot be changed

Note: There will be other BizApp values, but they are described in other feature specifications

Changes to Order SM&VR

- Servicing Agency may supply all required data elements for SFO, including:
 - Bona Fide Need
 - Requesting Cost Center, Business Unit and Department ID
 - Requesting TAS + BETC (for modifications too)
- New validation rules for BizApp = COA:
 - FOB Point must be Source
 - Assisted Acquisition Indicator must be No
- No changes to Order FIDS

Changes to Push Order API

- Appendix D: Constructive Order Acceptance (COA) *new Appendix*

For specific Business Applications and under certain conditions, the G-Invoicing system will move an Order to open (REC) status to support timely billing by the Servicing Agency

 - Conditions upon which to constructively accept an Order:
 - COA Days (an attribute of the Business Application selected on the Order's GT&C) is numeric (0-n)
 - Order is in SP2 (shared with partner 2) or P2A (pending partner 2 approval) status
 - The full number of COA Days have elapsed since the Order was last put into SP2 status by the Servicing Agency
 - Order must be submitted before 6 am ET for that day to count
 - All required data is valid, otherwise the Order will be rejected by the System
 - Validation errors are returned in the Rejection Reason

Changes to Push Order API (cont.)

- Appendix D: Constructive Order Acceptance (cont.)
 - COA takes place shortly after midnight (Eastern Time)
 - Notifications are sent, showing approved or rejected Order
 - Last Updated Date/Time is refreshed so agencies know to pull the updated Order
 - Business Transaction Identifier is updated to ensure agencies have latest version
 - If an agency submits an approved Order with an outdated BTI, that request will result in an error
 - Constructively accepted Orders will have the following characteristics:
 - Status = 'REC' (open)
 - Any missing approval date will be set to the current date
 - Any missing approver name will be set to 'System'
 - Any missing approver title will be set to 'Constructive Order Acceptance'
 - Any missing approver e-mail address will be set to 'Do not reply'
 - Any missing approver phone number will be set to 'Do not call'

Note: There are two approvals required for each partner (i.e., program and funding officials). COA will supply the missing data for one or both Partner 2 approvers.

Other Changes to External APIs

- API Payloads
 - All new (post-mandate) API versions will carry JSON payloads
 - New data elements supporting new (post-mandate) features will not be added to XML schemas
 - Current (pre-mandate) API versions using XML payloads will be supported until either:
 1. all clients have migrated to new versions, or
 2. end-of-life date has been reached (following announcement and waiting period)
- Business Application (BizApp) will be only be available in JSON format
 - Pull GT&C API version 3_0 *new API version*
 - For rent, GSA's customers on older API version are at a slight disadvantage
 - They will only be able to see that BizApp is 'Constructive Order Acceptance' in G-Invoicing's user interface
 - GSA Rent GT&Cs are otherwise recognizable by the Servicing Agency, title, Requesting Agency tracking number (aka, occupancy agreement), etc.
 - Their system may not expect GSA to supply Bona Fide Need or Cost Center

Other Changes (not related to APIs)

- GT&C User Interface
 - BizApp will be added to UI under Header/Detail
 - Provide option to display attributes of a Business Application (BizApp)
 - For example, for Constructive Order Acceptance:
 - COA Days = 7
 - Order Originating Partner Indicator = Servicing
 - Assisted Acquisition Indicator = No
- Add new BizApp data element to:
 - Print GT&C (PDF)
 - GT&C Exports (CSV)
 - Performance Report
 - GT&C and Order Notifications

Version History

Version	Date	Release	Description
v0.1	9/30/2021	TBD	Original version
v0.2	10/5/2021	TBD	Following internal review
v0.3	10/12/2021	TBD	Introduced BizApp concept
v0.4	10/15/2021	TBD	Renamed as Constructive Order Acceptance (not GSA Rent)
v0.5	10/25/2021	TBD	Following GSA/CGI review. Added version history.
v0.6	11/2/2021	TBD	Added info on Notification, based on feedback from Target-13 workgroup
v0.7	12/2/2021	TBD	All vendors agreed to JSON for future API payloads
v0.8	12/21/2021	TBD	Clarified some rules and posed question on feature management
v1.0	1/10/2022	TBD	Minor wordsmithing. First published version on G-Invoicing website.
v1.0.1	2/8/2022	TBD	Clarified that Last Update TS and BTI are updated with COA