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
• New data element: **Business Application** on GT&C
  – “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
  – Affects FIDS, SM&VR, UI, Notification, PDF, CSV and XML

• Validation Rules to accommodate Constructive Order Acceptance
  – Order Originating Partner must be Servicing (SFO)
  – FOB Point must be ‘Source’
  – Bona Fide Need, etc. may be supplied by Servicing Agency
  – Requesting TAS may be modified by the Servicing Agency
  – Include BizApp on Order e-mail Notification

• Requirements for Constructive Order Acceptance
  – 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
  
  • 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)  

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  
  – 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

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<tr>
<th>Version</th>
<th>Date</th>
<th>Release</th>
<th>Description</th>
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<tr>
<td>v0.1</td>
<td>9/30/2021</td>
<td>TBD</td>
<td>Original version</td>
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<tr>
<td>v0.2</td>
<td>10/5/2021</td>
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<td>Following internal review</td>
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<td>v0.3</td>
<td>10/12/2021</td>
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<td>Introduced BizApp concept</td>
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<tr>
<td>v0.4</td>
<td>10/15/2021</td>
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<td>Renamed as Constructive Order Acceptance (not GSA Rent)</td>
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<td>All vendors agreed to JSON for future API payloads</td>
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<tr>
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<td>Clarified some rules and posed question on feature management</td>
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<tr>
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<td>1/10/2022</td>
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<td>Minor wordsmithing. First published version on G-Invoicing website.</td>
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