
SAP SPEC2000 Upgrade

ATA SPEC2000 V. 2014

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Agenda – SAP SPEC2000 Upgrade

- Project details
- SAP SPEC2000 solution
- Overview Industry Standard
- Changes
- Technical enhancement
- Activation
- Roll out

Project details

- Project period: January-April 2015
- Development: warp it AG
- Design, Test: SAP SPEC2000 team, warp it AG
- Support: SAP SPEC2000 team, warp it AG

SAP SPEC2000 solution

- Development in 1999-2000 with ATA SPEC2000 Version 1999
- Part of SAP DIMP solution
- SPEC2000 Interface for Chapter 2, 3 and 4
- Upgrade to new ATA SPEC2000 Version 2014 with minor and major changes

Not affected:

- IP browser (Initial provisioning) for SPEC2000 chapter 1
- E-Logbook for SPEC2000 chapter 17
- eCERT (electronic part certificates) for SPEC2000 chapter 16

SAP SPEC2000 solution

- Messaging solution for SPEC2000 chapter 2, 3 and 4 affected

SPEC2000: CHAPTER	SPEC2000: MESSAGE	XML SCHEMA INITIAL TRANSACTION	XML SCHEMA RESPONSES or ACKNOWLEDGMENT
2	S1QUOTES	ATA_SparesQuoteRequest	ATA_SparesQuoteInterim, ATA_SparesQuoteFinal
2	S1STOCKS	ATA_SparesStockInquiry	ATA_SparesStockResponse
3	S1BOOKED	ATA_SparesOrder	ATA_SparesMessageAck
3	S1BOOKBK	ATA_SparesOrderBookback	
3	S1ORDEXC	ATA_SparesOrderExc	ATA_SparesMessageAck
3	S1POSTAT	ATA_SparesOrderStatusInquiry	ATA_SparesOrderStatusResponse
3	S1PNSTAT	N/A	N/A
3	S1SHIPPD	ATA_SparesSupplierShipNotice	
4	S1INVOICE	ATA_SparesInvoice	ATA_InvoiceMessageAck
4	S1INVEXC	N/A	N/A

Overview – Industry Standard

Air Transport Association

SPEC2000
e-business standards

- Created by the airline industry
- Comprehensive set of e-business specifications, products and services
- Widely used by the world's airlines and suppliers
- Administered by the Air Transport Association (ATA)
- www.SPEC2000.com

Overview – Industry Standard

Air Transport Association

SPEC2000
e-business standards

E-Business Specification for Materials
Management

Revision 2014.1
(20th Revision)



AIR TRANSPORT ASSOCIATION

Air Transport Association of America, Inc.
1301 Pennsylvania Avenue, NW - Suite 1100
Washington, DC 20004-1707
USA

- Order Administration
quotation process, shipment,
customer invoice
- Repair Order Administration
- Reliability Data Collection
Exchange
- Warranty Claims Placement
- Electronic Product and Part
Regulatory Documentation
- XML Representations
ATA_SparesOrder,
ATA_SparesOrderExc,...

Overview – Industry Standard

E-Business Specification for Materials Management

Revision 2014.1
(20th Revision)



AIR TRANSPORT ASSOCIATION

Air Transport Association of America, Inc.
1301 Pennsylvania Avenue, NW - Suite 1100
Washington, DC 20004-1707
USA

- New Version for major changes in 2014
 - PNR length to CHAR32
 - INV/RIN length to CHAR25
 - ACN length to CHAR10
 - New TEI DNS
 - Other changes

Change: SPL code

- Optional field SPL (supplier code) added to message S1PNSTAT, S1POSTAT, S1QUOTES, S1STOCKS
 - Outbound interface adds supplier information for conversion rule. Specific activation to support old/new version at partners
 - Inbound interface allows processing into IDOC

Change: S1QUOTES

- Optional fields: Condition code, Warranty information, Part Serial number,...(about 20 fields)
 - BADI for customer specific coding
- NQT: No quote flag
 - Supplier: item in customer quotation marked for deletion triggers S1QUOTES INTERIM with NQT flag
 - Airline: using standard process “No answer” and user can cancel the vendor RFQ

Change: S1BOOKED

- New field DNS: “Do not substitute”
Airline does to allow the supplier to do a part number change
 - Airline: new field in SPEC2000 tab in purchase order
 - Supplier: new field in SPEC2000 tab in sales order
- New length CHAR10 for ACN (Aircraft Registration Number)
 - Airline: field on purchase order enhanced
 - Supplier: field on sales order enhanced
 - Also on S1BOOKBK message

Change: S1NVOICE/S1INVEXC

- New length CHAR25 for INV (Invoice Number)
 - Supplier: by conversion rule
 - Airline: into standard “vendor invoice” and text field
 - IDOC enhancement required to allow new length for invoice number fields
- Also enhanced:
 - RIN: Reference Invoice Number

Change: “Part Number”

- New length CHAR32 for PNR (Part Number)
All part number fields in listed messages have been enhanced to length = 32 characters and part number rules have been deleted.
 - No change in transactions required
 - All S1* messages affected
 - User exit for MANUFACTURER PART NUNMBER needs to be changed from 15 to 32
 - IDOC enhancement required to allow new length for part number fields
- Also enhanced:
 - RPT: Receipt Part Number (only R1DSPXMT; Repair)
 - IPN: Inquiry Part Number (S1QUOTES, S1STOCKS)
 - RSP: Response Part number (S1PNSTAT, S1QUOTES, S1STOCKS)
 - RPN: Replacing Part Number (S1ORDEXC)

Change: S1BOOKBK

- New message S1BOOKBK (S1BOOK BACK)
Allows the supplier to inform the airlines about orders placed via Internet or other nontraditional methods (fax, phone,...)
 - Process starts from supplier sales order
 - New output condition BA03
 - Inbound processing at Airline into IDOC and trigger BADI for further processing

Technical enhancement

- Application
 - Transaction: Purchase Order
 - Transaction: Sales Order
 - Standard IDOC: ORDERS05 → E1EDPAD
- SAP SPEC2000 enhancement
 - New IDOC SPCORD01 with new segments
 - New conversion rules for new fields
 - Enhancement of tables SPCDTEL, SPCFILE for new/changed fields
 - Enhancement of SPCINMAP and modules for new changed fields

Activation Version 2014

- Delivered as not active in support package
- Activate BFS (business function set)
 - New enhancement spot IS_AD_S2K_VER_2014 in BFS “Discrete Industries & Mills Products”
- Activate customizing
 - Customizing delivered with SBCsets (Switch business configuration sets) into client 000
 - Transport into required clients

Setup Version 2014

- Setup changes
 - Partner profile for new IDOC type
 - Existing conversion rules for SPL activation
 - New conversion rules for all messages
 - ...

Detailed Information

- OSS Notes
 - 2133772 – Enable 2014 ATA Version for SPEC2000 solution of SAP Aerospace and Defense product
 - 2133780 – Enable Version 2014 SAP_APPL changes
- SAP HELP for SPEC2000
- Support by WARP IT and SAP SPEC2000 team

Roll out

- SAP ERP6 EHP7 SP08: end May 2015
- SAP ERP6 EHP6 SP12: end June 2015

SPEC2000 XML upgrade

- SAP PI scenarios and software components provided by WARP IT
- Ongoing upgrade project within WARP IT
- Availability in July 2015
- Recertification until end 2015

ATA SPEC2000 next steps

- Active working group “Spec2000 Procurement Extension Project”
- Active since 2013
- Published changes in Version 2014
- Design of more detailed processes, new messages and message enhancements

- Example: Field enhancement
 - CIC: allow also other identification instead of “airline” code, e.g. DUNS number, full address, other information
- Example: Process enhancement
 - Detailed acknowledge process to allow airlines to confirm supplier changes

Next Steps and Potential Impact

- Discussion of using cXML or parts of it
- Existing processes will stay
- Future enhancements will allow more specific processes
- Processes will cover new communication scenarios with other parties between airlines and suppliers
- www.spec2000.com
- www.ataebiz.org

Q&A

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