OTF21 - Changelog

V2.1.3 (2023-08-29)

- **Sample file improvements**
  - Added deserialization example code for XML and JSON to the project
  - Sample files have now real-world examples and an export with all fields containing dummy data (which may not correspond with proper business logic)
- **Deserialization code samples added (for developers)**
  - Sample JSON files no longer contain "specified" fields (please check the JSON settings in the example source code for serialization/deserialization config)
- **Other**
  - Changed TXT files to README.MD which is better readable on Github

V2.1.2 (2023-08-23)

BREAKING CHANGES

- JSON: All enums in the sample project and sample files are now exported as string instead of 0-based enum index

V2.1.1 (2023-08-22)

BREAKING CHANGES

- Finished migration from ContainerInfo to TankContainerInfo in StatusUpdate messages (cleaning, heating, inspection, transhipment)

- Removed duplicate Container_Work_EstimateStatusInfo element from Container_Work_EstimateStatusInfo for easier use
- Fixed an issue with the Container_Work_EstimateLineProposal Quantity field

Changes

- Added field OTFMessage to MessageHeaderInfo
- Added general Category and LaborRate fields to Message_Container_Work (Tank already had them)
- Fixed an issue where Estimate sample files would not contain quantities and totals
- Fixed an issue where generated OTF21 sample files would have the wrong version number
- Various small improvements of the sample files

V2.1 (2023-08-03)

BREAKING CHANGES

- **Improved folder structure**
  - Folder structure is now version-based to improve backward compatibility
- **Improved naming conventions**
  - .cs release file now has "autogenerated_" as a prefix
  - .xsd release file now has "autogenerated_" as a prefix
  - .dll release file now has "autogenerated_" as a prefix
  - Updated C# solution accordingly
- **Improved separation between "containers" and "tank containers"**
  - Modified Message_Container_PreNotification, removed all tankcontainer segments
  - Modified Message_Container_StatusUpdate_Storage_Arrival, changed ContainerStorageArrivalInfo to Container_StatusUpdate_Storage_Arrival
  - Modified Message_Container_StatusUpdate_Storage_Available, changed ContainerStorageAvailableInfo to Container_StatusUpdate_Storage_Available
  - Modified Message_Container_StatusUpdate_Storage_Departure, changed ContainerStorageDepartureInfo to Container_StatusUpdate_Storage_Departure
  - Removed TankContainerInfo from Message_Container_Work_Estimate to avoid spaghetti
- **Improved message header Contact information**
  - MessageHeader.ContactName is now in MessageHeader.ContactInfo.Contact.Name
- **Name change TankContainerInfoInspectionInspectionScope**
  - TankContainerInfoInspectionDatesInspectionScope was renamed to TankContainerInfoInspectionDatesLastInspectionScope due to XSD 2 C# autgeneration shenanigans. Will look into it.

Changes

- **Housekeeping**
  - Added instructions for interface mapping
  - Added separate XSD files per message type for better mapping support
    - Moved combined files to *bin\combined (cs, dll, xsd)* folder
    - Added *bin\separate (xsd)* folder
    - Added generator for separated XSD files
  - Improved separation between "containers" and "tank containers"
    - Added Message_TankContainer_PreNotification

- - Added Message_TankContainer_StatusUpdate_Storage_Arrival
  - Added Message_TankContainer_StatusUpdate_Storage_Available
  - Added Message_TankContainer_StatusUpdate_Storage_Departure
  - Added Message_TankContainer_Work_Estimate
  - Updated sample generator accordingly
  - Updated samples accordingly
  - Various improvements and instructions for easier creation of new OTF releases
- **General improvements**
  - Added ability to add remarks to all messages
  - Added ability to add remarks to all Container_ServiceRequests
    - Added Remarks to Container_ServiceRequestInfo
  - Added ability to add attachments to all messages
  - Added ability to add ClientPurchaseOrderReferences
    - Added ClientPurchaseOrderReference to Container_ServiceRequestInfo
    - Added ClientPurchaseOrderReference to (Tank)Container_StatusUpdate_Storage_Arrival
    - Added ClientPurchaseOrderReference to (Tank)Container_StatusUpdate_Storage_Available
    - Added ClientPurchaseOrderReference to (Tank)Container_StatusUpdate_Storage_Departure
    - Added ClientPurchaseOrderReference to Container_ServiceProgressInfo (used by Message_TankContainer_StatusUpdate_Cleaning, Message_TankContainer_StatusUpdate_Heating & Message_TankContainer_StatusUpdate_Inspection)
  - Added ExchangeRate fields to LocalizationInfo
- **Pre-notification improvements**
  - Added more options to Container_PreNotificationTypes for better context of PreNotifications
    - Added OnHire, OffHire to Container_PreNotificationTypes
  - Added ability to add seals to TankContainer_StateInfo
- **Depot Services improvements**
  - Improved ability to return Haulier info on sending Arrival and Departure status updates
    - Modified Message_Container_StatusUpdate_Storage_Arrival, added Container_HaulierInfo segment
    - Modified Message_Container_StatusUpdate_Storage_Departure, added Container_HaulierInfo segment
- **Heating improvements**
  - Added fields to TankContainer_ServiceRequest_Heating
    - RequestedHeatingMethod, RequiredHeatingTemperatureMeasurementMethod, MaximumPressure, MaximumContactTemperature, MinimumTemperature, MaximumTemperature
- **M&R Estimate improvements**
  - Added ability for Estimate Total to Message_TankContainer_Work_Estimate
    - Added LaborRate to Message_TankContainer_Work_Estimate
    - Added EstimateLinesProposalTotal to Message_TankContainer_Work_Estimate
  - Added Category field to Message_TankContainer_Work_Estimate
  - Improved Container_Work_EstimateLines
    - Added GeneralCodes.ComponentCode to Container_Work_EstimateLines
    - Added ability to add attachments to Container_Work_EstimateLines
- **Chemical Product Data**
  - Added ProductDetails Segments to ProductInfo
    - Manufacturer, SDSURL, PureProductDetails, MixtureProductDetails, HazardousProductSafetyClassifications, PhysicalChemicalPropertiesInfo, FireAndExplosionDataInfo, EmergencyContactInfo

Known Issues

- Some XSD definitions could use optimizations due to nesting

- Due to order of autogeneration, sometimes names change leading to unwanted low impact breaking changes in new versions of OTF

V2.0 (2023-02-22)

BREAKING CHANGES

OTF has been fully redesigned. This has the following benefits:

- Unified structure (all message headers are the same)

- XSD makes sure developers can start quickly, since it is mostly its own documentation

- Various requests for less generic fields (especially dam, mat, loc codes)

- OTF-Invoice removed: please use UBL Invoice format (link)

Changes

- New formats introduced
  - PreNotification messages

    (redelivery notification, release notification, accompaniedCleaning, quickRepair, heating, etc.)
    - Message_Container_PreNotification
    - Message_Container_PreNotification_StatusUpdate
  - Container services StatusUpdate messages
    - Message_Container_StatusUpdate_Storage_Arrival
    - Message_Container_StatusUpdate_Storage_Available
    - Message_Container_StatusUpdate_Storage_Departure
    - Message_TankContainer_StatusUpdate_Cleaning
    - Message_TankContainer_StatusUpdate_Heating
    - Message_TankContainer_StatusUpdate_Inspection
    - Message_TankContainer_StatusUpdate_Transhipment
  - Work messages (modifications & repair)
    - Message_Container_Work_Estimate (can be annotated and authorized)
    - Message_Container_StatusUpdate_Work
  - PeriodicInspection Messages
    - Message_TankContainer_InspectionReport
- XSD available
- C# class available
- Deprecated all versions up until OTF V1.3
  - Formats deprecated and replaced by new structures
    - OTF-Gate Move
    - OTF-M&R Estimate Saga
    - OTF-Periodic Inspection Certificate
    - OTF-Pre announcement
    - OTF-Workflow Status Information
  - Formats on-hold for now (since they do not belong in the supply chain)
    - OTF-Cleaning Audit

- OTF-Debtor Data
- OTF-Equipment Data
- OTF-Gate Drivetrough Audit
- OTF-Heating Audit
- OTF-Product Data
- OTF-Spare Part Data
- OTF-Spare Part Purchase Order
  - Formats dropped
    - OTF-Invoice removed: please use UBL Invoice format ([link](#))

V1.32 (2023-02-22)

- Added field *Certificate > CertificateData > Characteristics > ISO6346SizeTypeCode (string)* to *Periodic Inspection Certificate message*

V1.31 (2023-02-10)

- Added optional customer suborder reference field (usually reserved for authorization) to Workflow Status Information

V1.3 (2022-11-01)

- Added "Periodic inspection certificate" format

V1.2 (2022-05-13)

- Added "About" information
- Added Changelog
- Added "History of interfaces" document for clarification
- Added "Interface checklist" for easier coöperation and better explanations for project managers and higher-up stakeholders
- Gate Drivethrough Event definition updated (clarified & changed some formats)
- Cleaning Maintenance definition added
- Pre announcement updated
  - Documentation improved
  - Now supports polymer cleaning request flag
  - Extra wishes now supports quantity
  - Extra wishes now supports explicit cleaning method code
- Spare Part Purchase Order updated (documentation improved with some specific outbound clarifications)

V1.1 (2021-11-15)

- Debtor Data definition added
- Product Data definition added
- Heating Data definition added
- Gate Drivethrough Event definition added
- Pre announcement updated (main service flags are now deprecated)
- Gate Move updated (some explanations added)
- Workflow Status Information updated (some explanations added)

- M&R Estimate Saga updated (improved documentation, added support for lessor counteroffers)
- Invoice updated (added VAT rounding strategy variant)
- Spare Part Purchase Order updated (added support for inbound (delivery), made separation between inbound (delivery) and outbound (spare parts supplier)

V1.0 (2021-08-27)

- Initial release