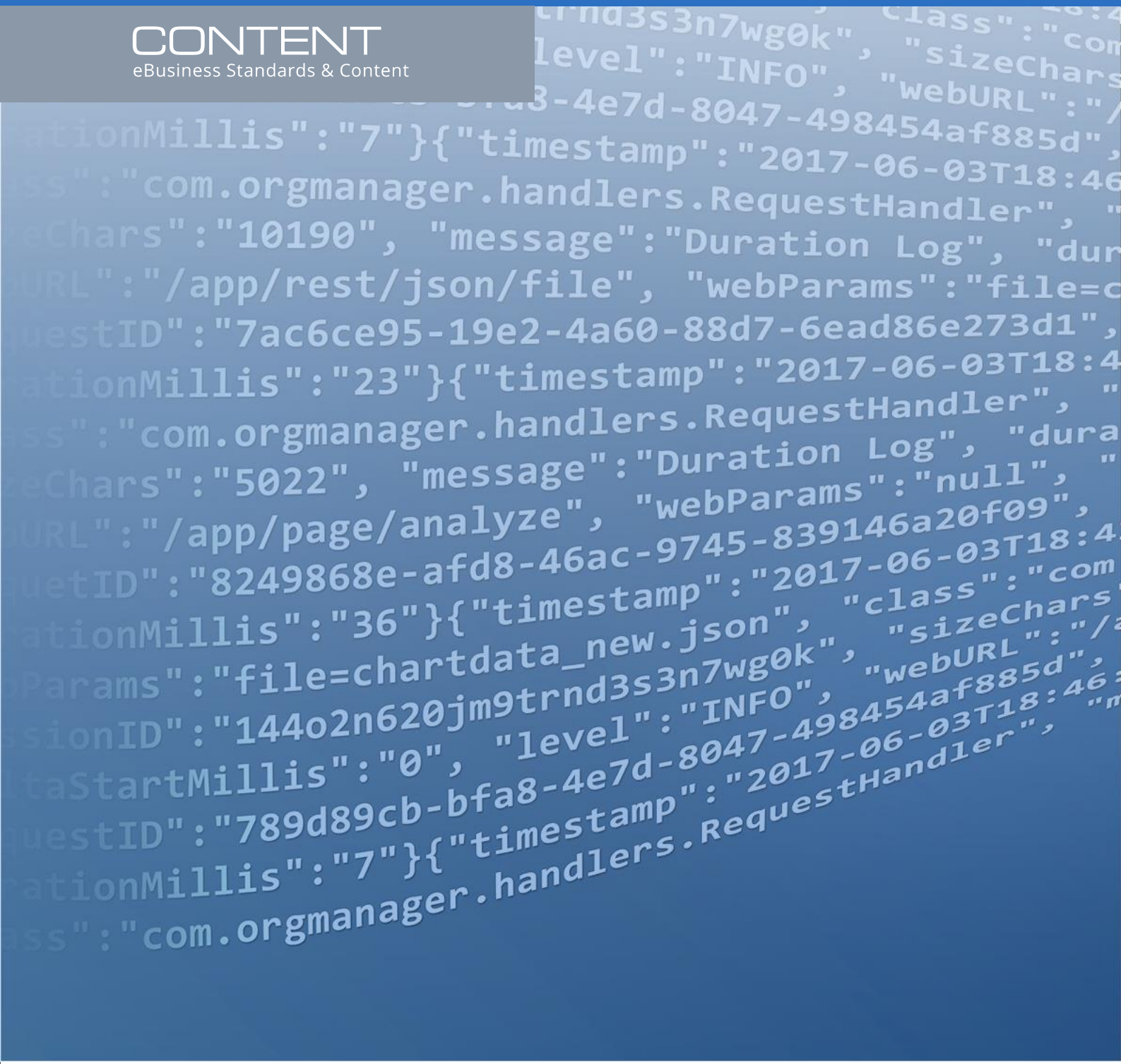
GEFEG
Passion for Standards

UN/CEFACT Standards

Core Components Library (UN/CCL)

CONTENT
eBusiness Standards & Content



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Contents

Core Components Library (CCL)

Core Components Technical Specification (CCTS)

The ISO/TS 15000-5 ebXML Core Component Technical Specification, Version 2.01 (ebCCTS), has been published as an ISO standard in September 2005. (ebXML is the Electronic Business Extensible Markup Language.)

Core components are the building blocks from which you develop semantically correct, meaningful packages for transporting business information.

Core Components Library

UN/CEFACT aims at establishing core components as the standard for the future development of electronic messages. The CCTS approach is intended to enhance inter-operability between e-business applications, thus improving the flow of information between companies. Unlike previous interchange standards, which have been mainly based on static message definitions, UN/CEFACT's CCTS now emphasizes a method for developing a set of general-purpose semantic building blocks -- the Core Components. As a whole, these individual components form the Core Components Library, which is maintained by UN/CEFACT and updated twice a year in the same way as UN/EDIFACT.
More ...

Various working groups are currently cooperating under the umbrella of UN/CEFACT to model general types of business data in use today, to develop new business vocabularies, and to revise existing ones. See also "Core Components Technical Specification - Part 8 of the ebXML Framework, Version 2.01" of November 15, 2003 (PDF format)

CCTS in GEFEG.FX

GEFEG has implemented the CCTS 2.01 specification as part of the UN/CEFACT ebXML initiative in the GEFEG.FX software. GEFEG.FX is the world's first software to implement the Core Components Technical Specification (CCTS). This means you can use GEFEG.FX to develop CCTS-based data models.

For more information and practical experience with CCTS, we recommend the "Core Components" training course.

CCTS Modelling with GEFEG.FX

Modelling according to CCTS version ISO/TS 15000-5:2005 (Core Components Technical Specification, Version 2.01) is included in the Model Module of GEFEG.FX. With the following functions, GEFEG.FX supports users in creating and editing CCTS-compliant artefacts:

- Develop, save, document and re-use UN/CEFACT Core Components in conformance with ISO
- Import Excel sheets in UN/CEFACT TBG17 format
- Create XML schemas in accordance with the naming and design rules (NDR) of OASIS/UBL and UN/CEFACT-ATG2
- Visualize CCTS objects (ACCs, ABIEs) as Unified Modelling Language (UML) class diagrams

The Benefits of GEFEG.FX

- A holistic approach that integrates UML, CCTS, EDI and XML standards
- UML-based solution for modelling e-business standards, including ebXML Core Components modelling and schema development (Odette, OASIS UBL, CEFACT ATG)
- Models and schemas: comments on inherited objects, restrictions on inherited facets, enumerations/code lists
- Schema Editor with focus on content rather than XML syntax
- Model Editor with focus on content rather than UML syntax
- Derive schema profiles and sample instances
- Generate standard-conforming guidelines
- Industry and user-specific documentation templates

- XMI and Excel import/export for data models
- Export W3C-conforming XML schemas from data models; export CCTS data models to OASIS UBL or CEFACT ATG2 Naming and Design Rules (NDR)
- Generation of OpenAPI Specifications

Interested in using Core Components?

- Are you interested in using Core Components in your company?
- Would you like to learn how you can use Core Components with GEFEG.FX?

Contact us by e-mail or via LinkedIn - we will be pleased to get back and promptly assist you.