



CODIFICATION OF SERVICES

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AGENDA

- **JUSTIFICATION FOR CODIFICATION**
- **POSSIBLE AC/135 APPROACHES**
- **DEFENCE RESERCH PROJECT FOR
CZE MoD**
- **PRACTICAL EXAMPLE OF CODIFIED
SERVICE**

INTRODUCTION

- **Services are independently recognizable, incorporeal activities, which are providing the satisfaction of needs**
- **Importance of services is constantly raising in the worlds economics**
- **Services are producing up to 75% of GDP (Gross Domestic Product) in developed countries.**

WHY TO CODIFY SERVICES?

- **Cost cutting of services**
- **Increase in transparency of services' consumption**
- **Creation of precondition for planning of sources**
- **To create precondition for electronic acquisition, comparison, evaluation and disposal of all commitments connected with provided services**
- **Summarization of all fundamentals for management of life cycle**
- **Provision of data for selection of optimal service provider**

- **Codification of services is more difficult than codification of material**
 - Service is a process, not an object
 - Service is more variable than material
 - There can be many subsequent processes connected with service
- **Until now the codification of services was only on level of classification**
- **Prescribed service characteristics aren't easy definable.**

- **Not to expand current NCS with services and let nations to find own solutions with no coordination**
- **To expand current NCS with services using own methodology**
 - to have one single system for all participants
 - wide spread to the commercial sphere
- **To expand current NCS with services adapting existing commercial methodology**
 - no world wide accepted system
 - possibility to cooperate with ECCMA, eCI@ss, etc.

■ **Classification**

- eCI@ss, CPV, NSA, Nice Classification, UNSPSC (eOTD – adopted UNSPSC), EDA, CPA, etc.

■ **Identification**

- verbal description available only
- establishment of MRD for NATO purposes
 - IG repository creation, management, etc.
- supplier/provider identification - NCAGE

RESEARCH PROJECT FOR CZECH MoD

- The research project started in July 2010
- Researcher: AURA , Ltd. (CZE NCB IT provider)
- Consultations: Czech MoD, University of Defence Brno, Defence Industry
- Project focus: The applied research of a new system for codification of materiel and services according to the international standards ISO 22745 and ISO 8000.
- Main objectives:
 - To prepare a proposal of the classification and identification methodology for services based on specific needs of the Ministry of Defence.
 - To provide a concept of using new standards to increase efficiency of planning, acquisition, preparation and tender processing of materiel and services purchasing.

RESEARCH PROJECT FOR CZECH MoD

- The Czech MoD uses Service Manager module as part of the Information System for Logistics
- The module is integrated with other logistics modules (e.g. Facility Management, Operation Planning)
- MoD Service Catalogue includes
 - Classification of services (Proprietary classification system)
 - Identification of services (Verbal today)
 - Logistics information about services (e.g. prices)
- Services registered in Service Manager contain a link to the international classification systems CPV and CPA
- Link to UNSPSC classification will be considered
- Identification based on ISO 8000, ISO 22745 and eOTD will be incorporated into the existing Catalogue of Services

- **Reference identification** – same principal as today for material
- **Descriptive identification** – attributes and values in line with ISO 22745 and ISO 8000 and eOTD system (IG creation)
- **Other information** – type of supplier, unit of measure, prices, validity (life cycle management), CPA, CPV, type of maintenance, budget line, etc.

Public tender specifications support module

- **Electronic creation and register of new and executed demands and supplies**
- **Register of suppliers and producers with chosen criteria for public tenders**
- **Creation of specifications of supplies and demands**
 - Text part
 - Commodity part

- **The areas to be analyzed on international level**
 - International Classification systems for services and relations to CPV and UNSPSC
 - Descriptive identification based on ISO 8000 and ISO 22745
 - Processes of creation and maintenance of Identification Guides.
 - Identification of suppliers (NCAGE code usage)
 - Structure of references of services
 - Identification of users of services

- Direct description of service activity is difficult and mostly useless for consumer
- More important is description of subject, which is impacted by service
 - Example of IG for service “Chimney cleaning”
 - Cleaning period (No of cleaning + Period in years)
 - Locality (Range – state, region, city + Name)
 - Chimney output power (<50kW, <100kW, >100kW)
 - Type and design (Type – 1layer, multilayer + Fuel type – solid, liquid, gas + Manhole – yes, no)
 - Misc services (Combustion efficiency measurement, measurement of emissions, camera inspection, camera inspection with record)

NEW APPROACH FOR CoS

- Example of the Identification Guide for the service „Chimney cleaning“ created in MCC eOTD IG Manager

Identification Guide

IG ID: 0161-1#IG-CHIMNE#1 IG Title: Chimney cleaning
 Int ID: 3682 Created By: ncb Created on 06/10/2011 Manager:
 IG Note: 2 - eotd_222-clean-chimney.xml

Prescribed Items Concept Use Implementation Notes Content

Items View Search 1 of 1

Class National	Class	INC	UNSPSC	UNSPSC descr
Chimney cleaning	Chimney cleaning	77777	75.11.16.03	Chimney clean

IG Prop

MRC	Property
	Periodicity of cleaning
	Locality of cleaning
	Power installed in the chimney
	Chimney construction type
	Additional services

Prescribed Property

Property Name: Power installed in the chimney Power installed in the chimney
 Required: Combination: Differentiating: Multiple: One-of: MRC:
 Class: Chimney cleaning
 IG Note: 2 - eotd_222-clean-chimney.xml

Representations View

Order	Data Type	Property	Representation	CID
1	Controlled Value		Enumeration	

Value Of Property Prescribed Conditions

Values

Content National	Content	CID
under 50 kW	under 50 kW	0154-2#07-000006#1
under 100 kW	under 100 kW	0154-2#07-000007#1
under 200 kW	under 200 kW	0154-2#07-000008#1
above 200 kW	above 200 kW	0154-2#07-000009#1

NEW APPROACH FOR CoS

- Example of the codified service „Chimney cleaning“ created in the MC CATALOGUE eOTD module MD Manager

Item 3 of 77

Item has 0 ISAC subitems.

IG Ref: 0161-1#IG-CHIMNE#1 Item ID: CHIMNEY-01 INC: 77777

Class National: Chimney cleaning Chimney cleaning 0154-2#01-000003#1

UNSPSC: 76.11.16.03 Chimney cleaning

Created By: ncb Created on: 06/10/2011 Int ID: 1385 MCC Item of Catalogue:

Item Descr.: Chimney cleaning for family houses

Comment: autor Stanley

IG Note:

Property Values References Subitems

Properties 1 of 12

Req.	Ans.	MRC	Property	Value
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Periodicity of cleaning	
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Number of cleaning	2
<input type="checkbox"/>	<input checked="" type="checkbox"/>	BFQJ	PERIOD RANGE	YEAR
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Locality of cleaning	
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Location type	Town
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Location name	Brno - Ořešín
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Power installed in the chimney	under 50 kW
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Chimney construction type	
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Chimney type	Single-layer
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Fuel type	Solid
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Manhole	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>		Additional services	Measurement of combustion efficiency;Chimney camera inspection;Revision of the flue way

THANK YOU FOR YOUR ATTENTION

