BroadMap

Final Stakeholders' Workshop

"FROM REQUIREMENTS TO SPECIFICATIONS"

6 April 2017

Website: www.broadmap.eu

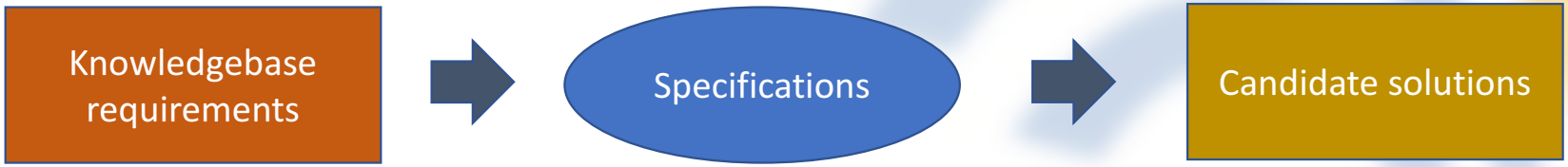
“FROM REQUIREMENTS TO SPECIFICATIONS”

Content of the presentation

- General objective
- Candidate solution: objectives
- Specification: objectives
- Specification matrix
- Writing specifications

Partners involved: ESMIR (Spain), IAGS (Irland), CRMOI (Croatia), ILDMA (Israel), SESMB (Sweden), DEBRK (Germany), ITMOI (Italy), ROSTS (Romania), NODNK (Norway), BHMOS (Bosnia and Herzegovina) and DGFLA (France)

CANDIDATE SOLUTION: OBJECTIVES



OBJECTIVE: define high level candidate solution and asociated organiztion schemes by transforming requirements into specifications. The work done have analyzed the knowledgebase and shall propose a number of candidate solutions for the implementation of broadband interoperable networks, applications / services and devices.

TWO TASKS:

- Transformation of requirements into specifications.
- Definition of solution options and interoperability.

SPECIFICATIONS: OBJECTIVES

The knowledgebase was used to transform requirements into specifications.

Requirements have been grouped according to those affected specifications. (one requirements could affect more than one SP)

The classification of requirements from previous work was kept to maintain the traceability and to tackle a more clear description of the specification. Each specification has been identify by an unique ID.

Four specification were identified:

- Network
- Applications / Services
- Devices
- Interoperability

Specification split off in two documents: **Specification matrix** and **specification text**

SPECIFICATION MATRIX

MAIN CHARACTERISTICS:

-The specifications is broken down into **"subchapters"** with a specific ID: 01-NET-01, 01-NET-02… The grouped requirements in the matrix fit with a specific subchapters in the text. (Eg. Network specification subchapters: security, physical security, authentication, capacity, coverage, spectrum, mobility and roaming, data sharing, connectivity, resilience/ redundancy/ availability, system logging…)

- **Traceability** was key to track back the requirements. It was done through the identification of the requirement in the knowledgebase, clearly identified by the "requirement ID" and "questionnaire requirement ID".

- Data related to **priority**, **mandatory**, **maturity** and **functional or not functional** have been used to classify information from the knowledgebase in order to help in the solutions definition.

SPECIFICATIONS TEXT

SECTIONS:

1.- INTRODUCTION: Definition of the purpose and scope of the specification. List of acronyms and abbrevations and references to documents affecting each specification have been taken into consideration.

2.- OVERALL DESCRIPTION: General factors affecting the system and background or context of the requirements (don't state specific requirements, this in on section 3). Perspective, functions user class and operating environment.

3.- SPECIFIC REQUIREMENTS: specific requirements to a level of detail to enable designer to design a system to meet all requirements in a satisfactory way. The wrote document must be comprehensible for all and same language has been used in all text. Requirements are organized in same subchapters than the matrix.

Thank You for Your Attention!

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