

DESIGN OF THE WEB APPLICATION FOR A LARGE COMPANY SELLING TELECOM INFRASTRUCTURES, DEVICES AND SERVICES

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PURPOSE OF THE DOCUMENT

This Design Document aims to provide a formal description of the web application in case. In particular, its main goals are:

1. to create a graphical representation of C-IDM, L-IDM and P-IDM schemas;
2. to offer an interactive mock-up for the entire application as preliminary glimpse of the web application's User Interface UI.

SCOPE OF THE APPLICATION

The objective of the web application is to introduce and promote a large telecom company (i.e. TIM) to the user and to show him/her all the offered products and services.

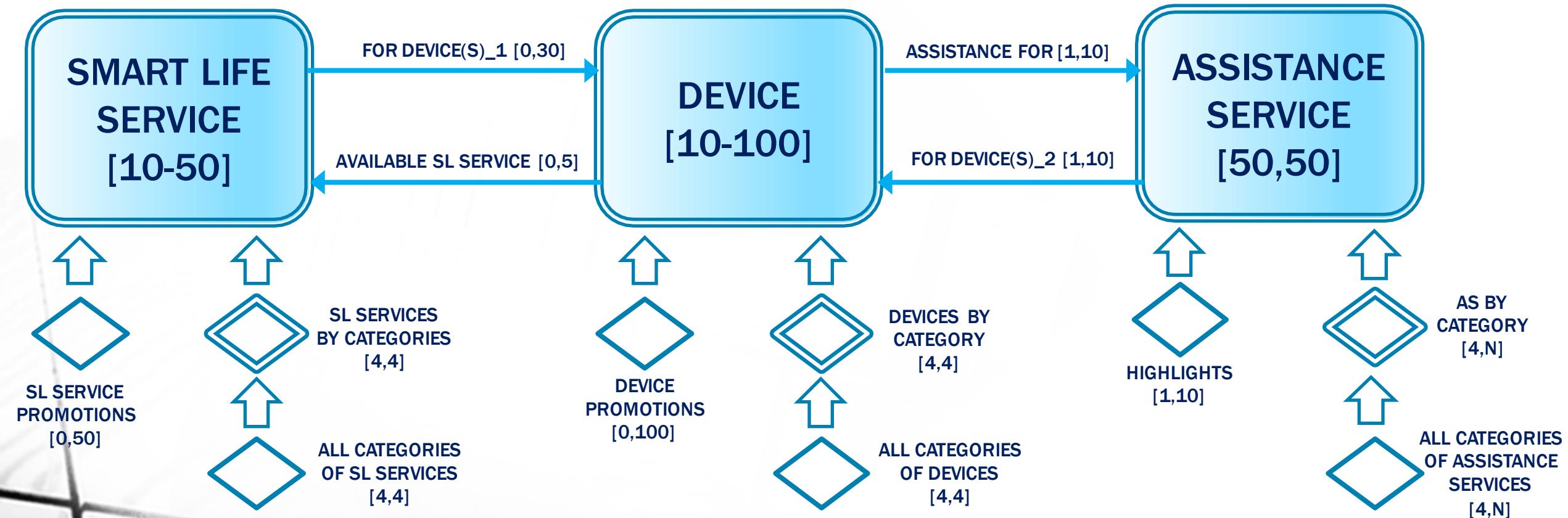
The specifications of the project are explained in detail in the document “UPDATED VERSION OF DESIGN PROJECT SPECIFICATIONS.pdf”.

C-IDM

CONCEPTUAL DESIGN

WHO WE ARE

THE GROUP



OBSERVATIONS

According to us, making comments about critical cardinalities in the C-IDM may be useful to improve the readability and the understandability of the whole project. In the next models cardinalities are omitted because of lack of space and in order to make them more orderly. This can be done because they can be easily found out from the C-IDM.

Talking about devices, the term “category” is intended as “technical category”. Therefore, the cardinality of the group “All categories of devices” is set exactly to 4 following the specifications (e.g., “mobile phone”, “tablet and computer”, “modem and networking” and “TV and smart living”).

The maximal cardinality of the group of topics “Highlights” is left to the software designer. We fixed it to 15 taking inspiration from TIM web site.

We decide to distinguish device promotions from SL service promotions to make the web application structure more clear and understandable.

Then, we fix the cardinality of the groups “Device promotions” and “SL service promotions” respectively from 0 to 100 and from 0 to 50 because it could be possible both to have none and to have all devices or services in promotion.

In the “UPDATED VERSION OF DESIGN PROJECT SPECIFICATIONS.pdf” document is not specified the maximal cardinalities of the group of topics “All categories of assistance services” and of the multiple group of topics “Assistance service by category”. For this reason, they are indicated with the parameter “N”. However, in our didactic project their values are limited to 4 and the categories are “Line Management”, “Monitoring Costs and Payments”, “Technical Support” “SL”.

The minimum cardinalities of the relationships ‘Available SL service’ and “For device(s) 1” are fixed by the specifications to one. However we noticed that not all devices are associated to a SL service and no all SI service are connected with a device; therefore we decided to set them to zero.

L-IDM

LOGIC DESIGN

WHO WE ARE

- INNOVATION
- TESTIMONIALS
- PROJECTS

THE GROUP

- GROUP DESCRIPTION
- NEWS
- GOVERNANCE
- BUSINESS & MARKET
- FOR INVESTORS

SMART LIFE SERVICE

- DESCRIPTION
- ACTIVATION AND RULES
- FAQ [0,1]

FOR DEVICE(S)_1



AVAILABLE SL SERVICE



DEVICE

- PRESENTATION
- TECHNICAL CHARACTERISTICS

ASSISTANCE FOR



FOR DEVICE(S)_2



ASSISTANCE SERVICE

- DESCRIPTION

SL SERVICE PROMOTIONS



ALL CATEGORIES OF SL SERVICES



SL SERVICES BY CATEGORIES



DEVICE PROMOTIONS



DEVICES BY CATEGORY



ALL CATEGORIES OF DEVICES

HIGHLIGHTS



AS BY CATEGORY



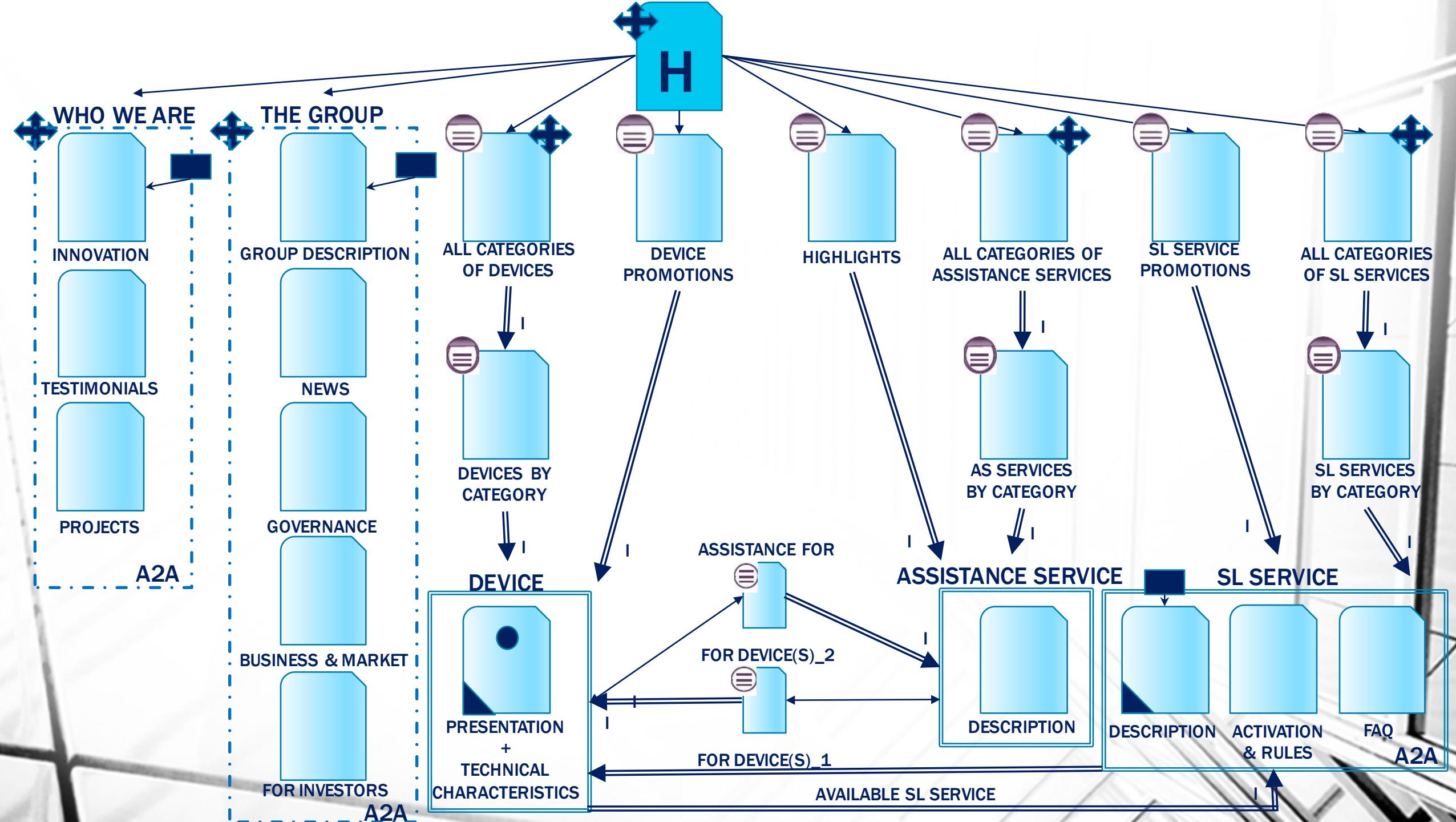
ALL CATEGORIES OF ASSISTANCE SERVICES

OBSERVATION

The content dialogue act “FAQ” of the multiple topic “SL service” is optional.

P-IDM

PRESENTATION DESIGN



OBSERVATIONS

The entry point and the exit point markers are omitted when the topic includes one page only. It is the case of the two kinds of topic “Device” and “Assistance service”.

In the multiple topic “Device”, the L-IDM content dialogue acts “Presentation” and “Technical characteristics” have been merged in a single page.

The topic page “FAQ” of the multiple topic “SL service” is optional.

INTERACTIVE MOCK-UP

An interactive proof copy of the entire web application's mock-up is provided as attached.

We decided to underline in yellow all the active links of our representation to make more clear what is really clickable and what is not.

For the deepest pages of the P-IDM, we decided in accordance with the tutor to help the user providing her/him the most logic navigation path, that represents the hierarchy among them.

