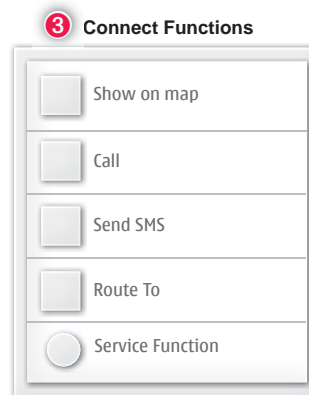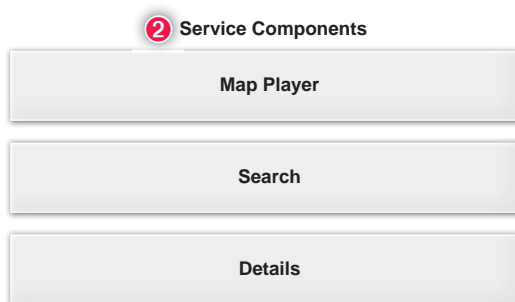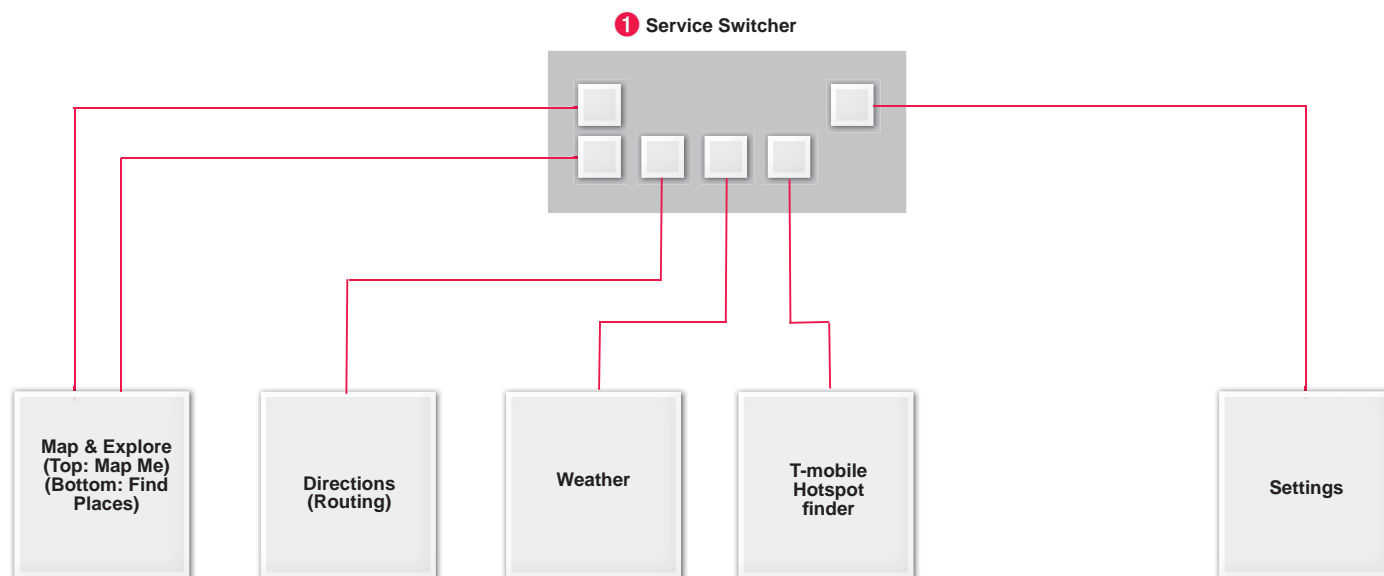**NOKIA**

Medos Framework

UI Guideline

Release: Medos Framework

Platform: Rover, Touch

Last Changes: April 27, 2009 3:14 PM
Author: ext-anita.wilhelm@nokia.com

SoLo Framework IA | Rover scope, framework IA & elements

❶ Service Switcher

Map & Explore (Top: Map Me) (Bottom: Find Places)

Directions (Routing)

Weather

T-mobile Hotspot finder

Settings

❷ Service Components

Map Player
Search
Details

❸ Connect Functions

Show on map
Call
Send SMS
Route To
Service Function

Product Scope --- Rover Release
Target Date: Early July
Rover release is scheduled to contain the following services, service components, and connect functions
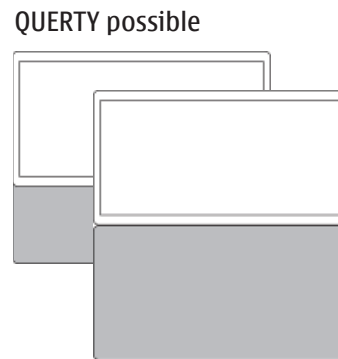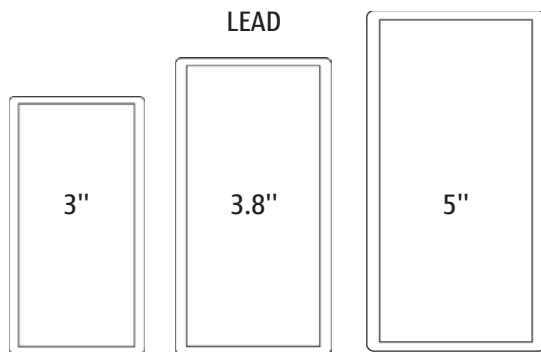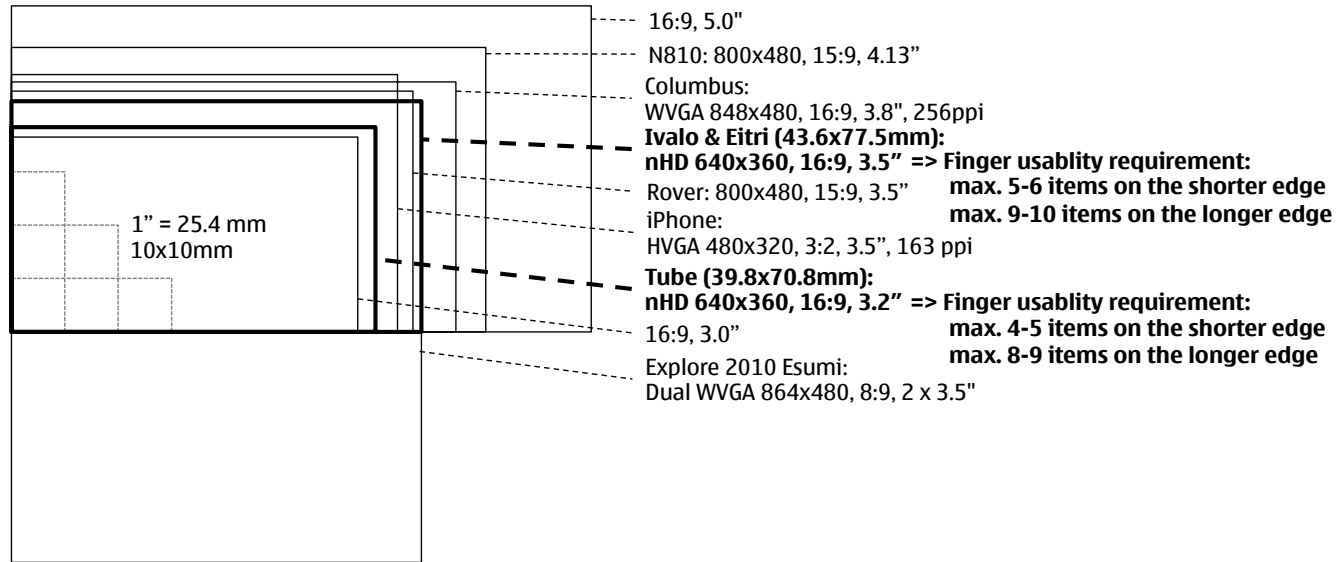
❶ Service
Rover release, to be released early July is to contain the following services (reflected through entry points in the Service Switcher)
1. Map & Explore
   a. Map Me -- Map Access
   b. Find Places -- Search List Access
2. Directions
3. Weather
4. T-mobile Hotspot Finder
5. Settings

❷ Service Components
The services can use either of these components to enhance the functionality of their service. At this time, the following players and components are available:
1. Map Player
2. Search
3. Details Container

❸ Connect Functions
Related to these Services the connect menu should then include the following items:
1. Show on Map
2. Call
3. Send SMS
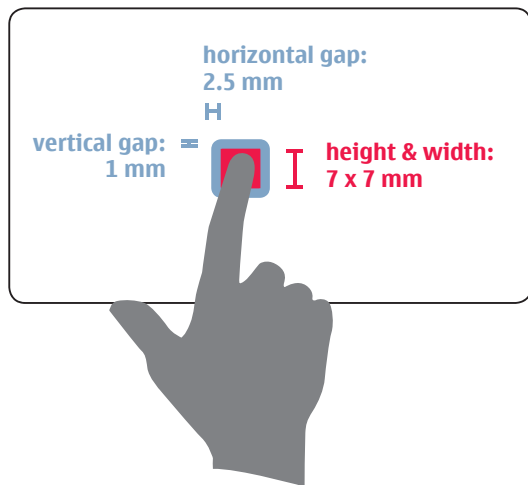4. Route to
5. Service Function (optional)

Device Guidelines

NOKIA

Touchscreen displays and pointing target sizes

16:9, 5.0"

N810: 800x480, 15:9, 4.13"

Columbus:
WVGA 848x480, 16:9, 3.8", 256ppi

Ivalo & Eitri (43.6x77.5mm):
nHD 640x360, 16:9, 3.5" => Finger usablity requirement:
    max. 5-6 items on the shorter edge

Rover: 800x480, 15:9, 3.5"   **max. 9-10 items on the longer edge**

iPhone:
HVGA 480x320, 3:2, 3.5", 163 ppi

Tube (39.8x70.8mm):
nHD 640x360, 16:9, 3.2" => Finger usablity requirement:
    max. 4-5 items on the shorter edge

16:9, 3.0"   **max. 8-9 items on the longer edge**

Explore 2010 Esumi:
Dual WVGA 864x480, 8:9, 2 x 3.5"

1" = 25.4 mm
10x10mm

LEAD

3"   3.8"   5"

QUERTY possible

Recommeded Finger Pointing Target Sizes

Finger Touchable

horizontal gap:
2.5 mm

vertical gap:
1 mm

height & width:
7 x 7 mm

Max number of touchable items: 9-10

Thumb Touchable

horizontal gap:
3 mm

height & width:
8 x 8 mm
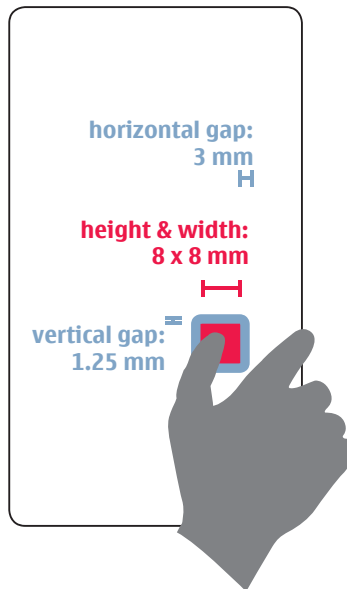
vertical gap:
1.25 mm

Max number of touchable items: 4-5

vertical sizes of touchable sidebars: Top & bottom

height: 4.5 mm min.

vertical gap:
1.25 mm

height: 4.5 mm min.

vertical gap:
1.25 mm
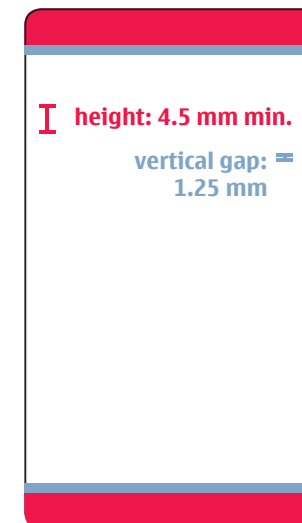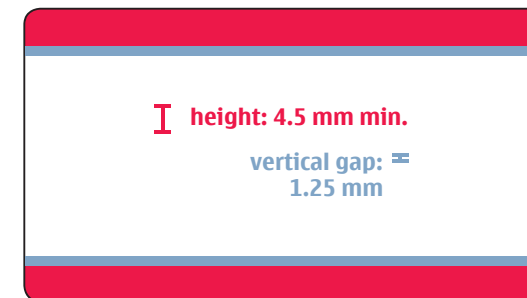
Medos Framework UI Guidelines

NOKIA

Overview | General Architecture and Components: Rover

Service Switcher

① ②

Map

Service Context

Maplet Pages

Object Details

Connect Menu

Content Modules

③

Task Flow Container
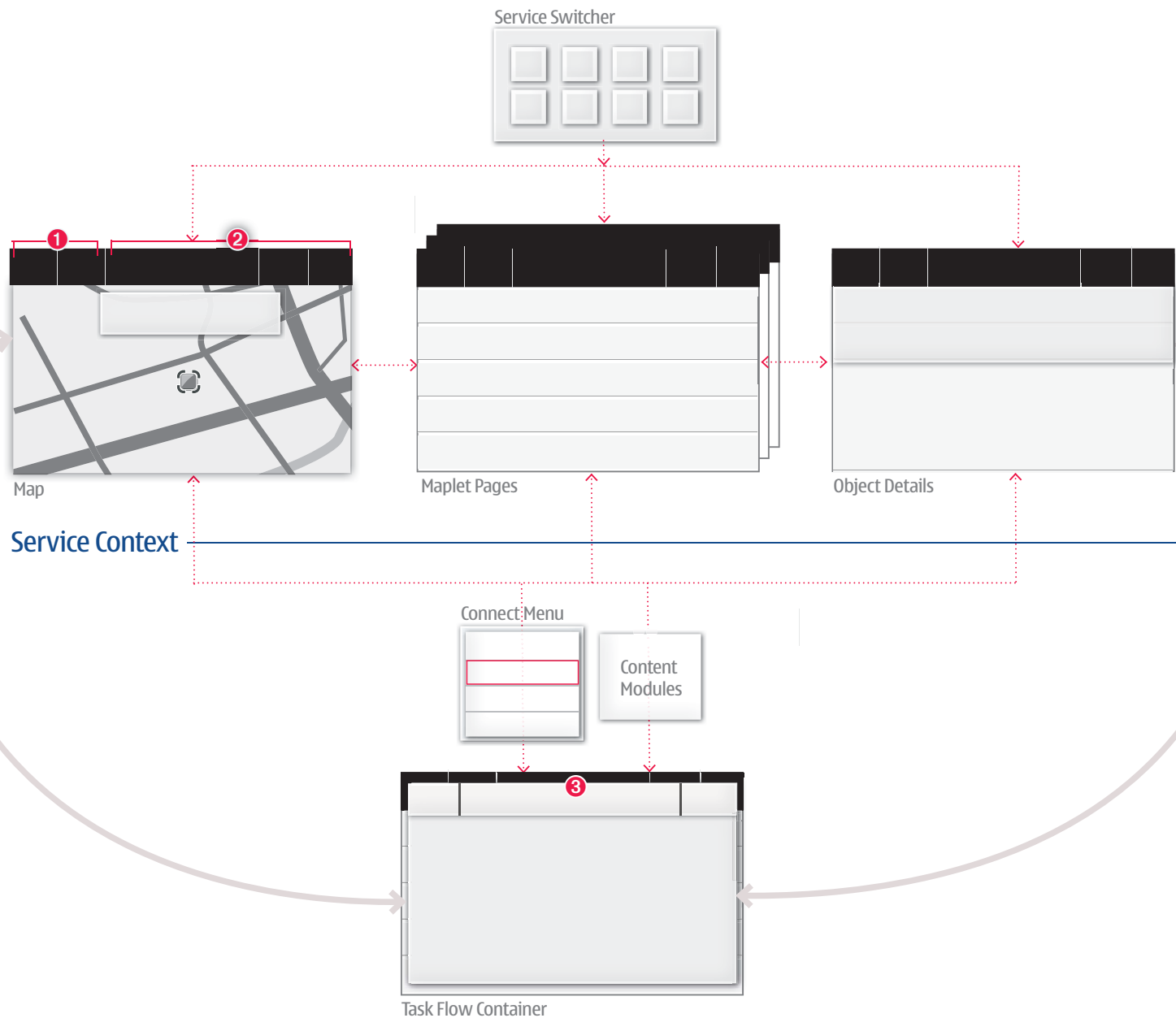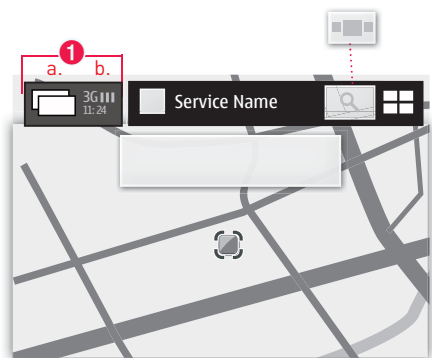
Player/ Task Flow Context

Descriptions:

The header component is holds the main framework components. The two contexts in which the header is defined:
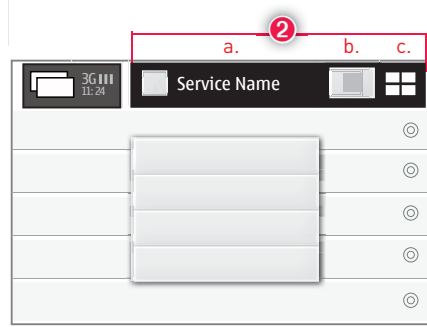a. **Service Context** - availabe at anytime a service is opened
b. **Player/ Task Flow Context** - available after any Connect Function or Componet Flows are initiated

① **Device Integration**
In this region the device can integrate it's native functionality. Those functions include:
a. Multitasking access
b. Network stregth and time indications

② **Medos Integration**
Within the medos integration area, access to the views -- map/ list, as well as service switcher are found. The elements contained in this region include:
a. Service Options (optional)
b. Map/ Maplet Access
c. Service Switcher

③ **Task Flow Container**
The task flow container will open whenever a connect menu task flow is opened or when a specific task is need. The header of the task flow container includes:
a. Position Action (Save, Next, etc.)
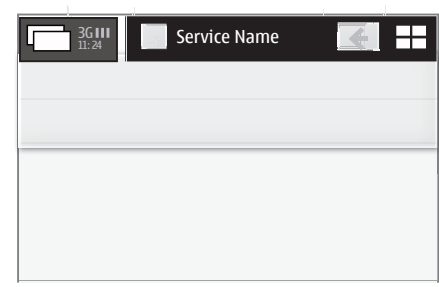b. Title of the Task
c. Negative Action (Back)

NOKIA

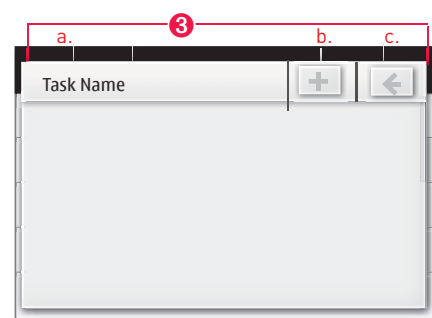# Overview |General Framework Header Components: Rover

Map

a. b. ①

Service Name

Maplet Pages

a. ② b. c.

Service Name

Object Details

Service Name

Service Context ────────────

Player/ Task Flow Context ────────

a. ③ b. c.

Task Name

Task Flow Container

Notes:

Routing: 2b in map to contain their page switcher as built, and 2b in the maplet pages accesses previous state of map (or previously opened page switcher, to be decided by them)

Search/ Places: 2b in map accesses the search list; 2b in maplet pages accesses previous state of map

NOKIA

Overview | Application Engine Access: Rover

The application engine is contains access to all integrated services and the third party service ecosystem. The Medos Framework holds two components which service as access points to these features:

❶ Service Switcher Access
The service switcher is the main launching re-gion and dashboard for all the service offerings. It offers the user a centralized place to move be-tween services. The service switcher can always be accessed from the upper most region of the Framework Header.

❷ Connect Menu Access
The connect menu is the main integration point for core service player functionality. These players are determined on a per object basis. Accordingly, the Connect Menu is available from the Object Base container.

Service Context

Overview | Service Components Access: Rover
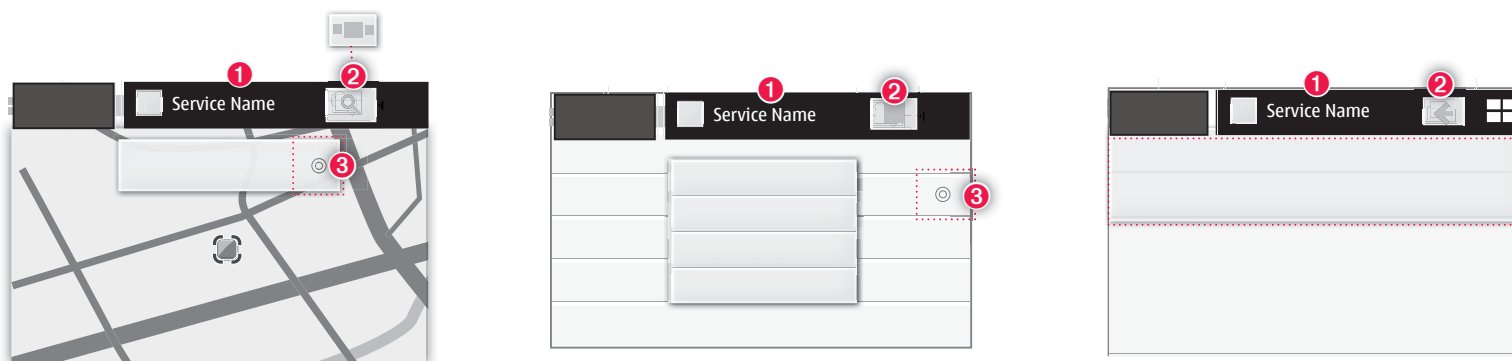
Service Context

The service components are comprised of tools and components which are availabe to each servcie to use within their domain. The access to these components are diagrammed and outlined as follows:

❶ Service Menu and Branding Region
The service menu and branding region is contained in the middle region of the framework header. It contains the Service Name and Icon (optional). Clicking on this region reveals the Service Menu. The Service Menu contains functions available only to that specific service.

❷ Navigation Elements
In this area, the service provider can choose to place controls to access the rest of their maplet pages. The list of navigation elements currently include:

🔍 Single page switcher (used in Search Places)

▪▪▪ Multi-page switcher (used in Routing)

■ Back to Map (returns to previous state of map)

← Back returns to previous page

**❸ Access to Details Container**
The details container holds the object POI details along with content specified by each service. Access to this container is given through the Object Base in the Infobubble and List Item. Clicking on either of these areas accesses the details container and allows the user to access detailed information available by the service for that object.

Service Switcher

NOKIA

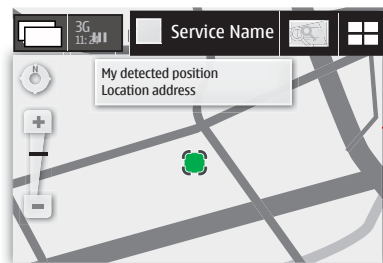# Service Switcher | Basic Layout & Behavior: Rover
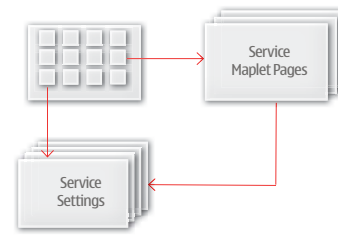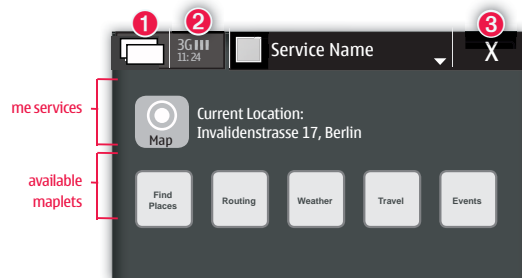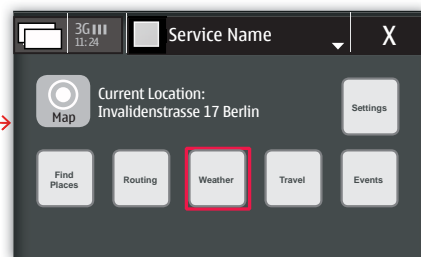
General Architecture

Descriptions:

❶ **Multitasking Access**
Touching the upper left region of the Framework Header calls the Device Dashboard, but does not exit the application.

❷ **Device Indication**
The area next to the device dashboard has been reserved to show device status information. Things like, network speed, network strength, etc, should be indicated in this region.

❸ **Exit**
Touching the upper right area of the Framework Header closes the application.

❶ ❷ ❸

Service Name
Map
Current Location:
Invalidenstrasse 17, Berlin

me services

available maplets

Find Places | Routing | Weather | Travel | Events

General Behaviour

Service Name
My detected position
Location address

Service A

single tap

Service Name
Map
Current Location:
Invalidenstrasse 17 Berlin
Settings

Find Places | Routing | Weather | Travel | Events

Open Service Switcher

single tap

Service Name
San Francisco   30°
Berlin   4°
London   6°
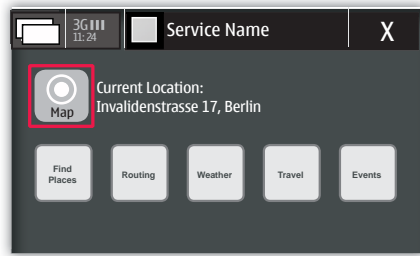City Name   xx°
City Name   xx°
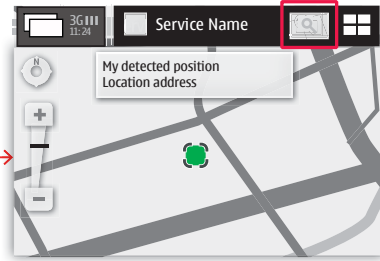
Service B

NOKIA
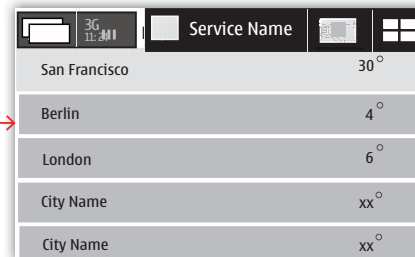
Service Switcher | Map & Explore Entry

Map Me Entry

Enter Maps and Explore: Map View, with the detected location in focus

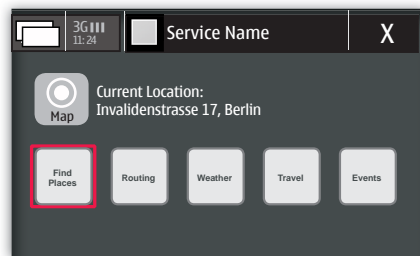Switch to list view with search integrated.

Text default focus in search field.

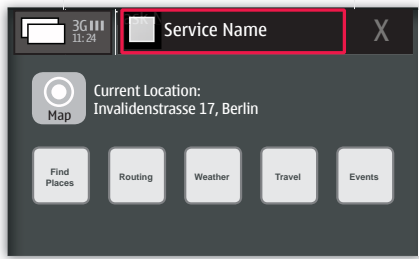Enter text to search or browse categories.

Find Places Entry

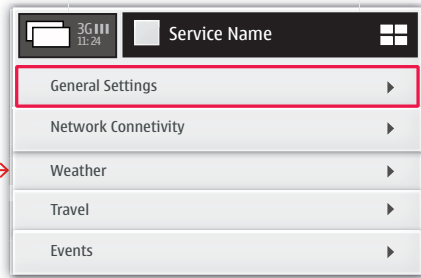Enter Maps and Explore in the default 'explore' mode

Service Switcher | Settings Menu

❶ **General Behavior**
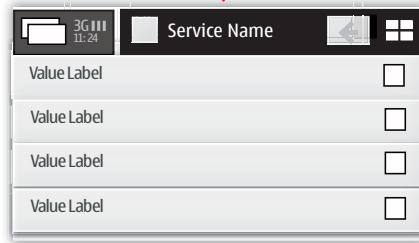The general behavior of the settings menu allows for the opens a category list, where general settings or application titles have entries in the settings menu.

❷ **General Architecture**
The settings pages are accessible from the service switcher via, the settings button or also may be linked to the maplet pages, through the service functions.

❶ General Behaviour

3G ▮▮▮
11:24
Service Name   X

Map Current Location:
     Invalidenstrasse 17, Berlin

Find Places | Routing | Weather | Travel | Events

Tap on Settings

single tap

3G ▮▮▮
11:24
Service Name

General Settings   ▶
Network Connetivity   ▶
Weather   ▶
Travel   ▶
Events   ▶

Settings menu appears in the screen view.

single tap

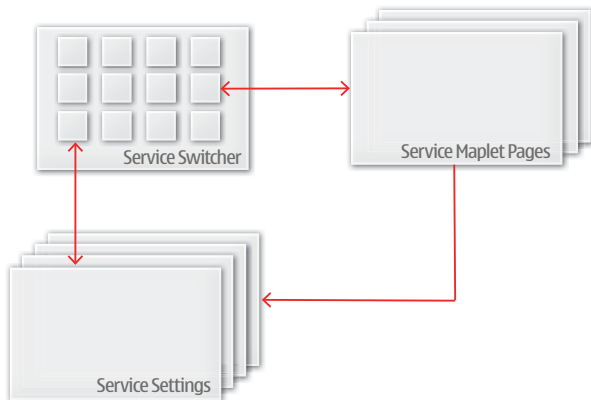**Open: Should we make the settings pages a secondary task flow?**

3G ▮▮▮
11:24
Service Name

Label
Label
Label
Value (s)   ▶
Label   ▶
Value (s)
Label   ▶
Value (s)

Settings form.

single tap

3G ▮▮▮
11:24
Service Name

Value Label   ☐
Value Label   ☐
Value Label   ☐
Value Label   ☐

User is able to choose form items.

❷ General Architecture

Service Switcher

Service Maplet Pages

Service Settings

NOKIA

Connect Menu

Overview | Connect Menu & Player Flow: General
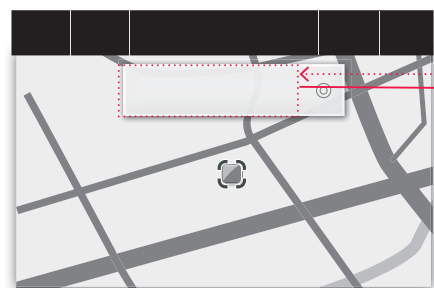
Map
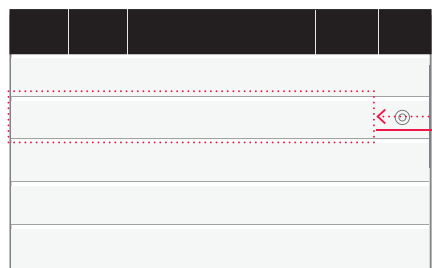
Maplet Pages

Detail View

Connect Menu

Nokia Function

Nokia Function

Service Function

Service Function

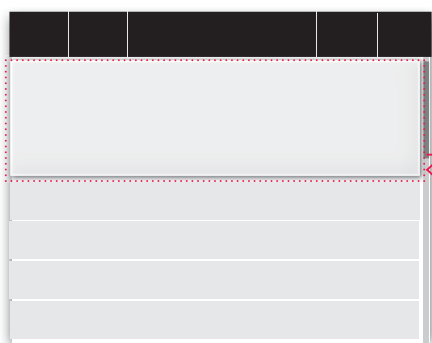Player Component

Task Name
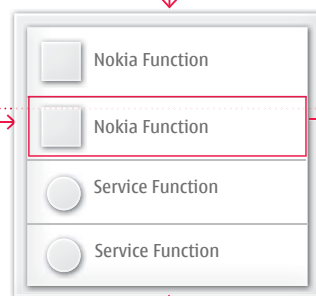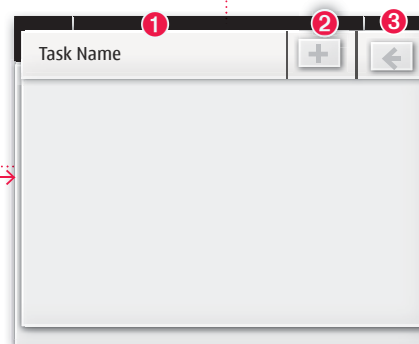
Descriptions:

The connect menu enables player functions to open and and perform actions on an object. Then return to the specified service. The connect menu can hold 2-9 items.

1 Player Title
In the player context the title of the screen can be cusomized to that specific action.

2 Positive Action
Services can input their positive action of choice in the positive action area.

3 Back/ Close
All Players after initiating their player actions on the object will either return through actions in the flow to the object or the user can close the player and manually return to the service context.

Connect Functions | Opening and Closing Connect Menu: Rover

Service Name
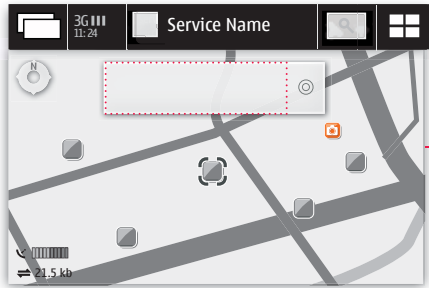
Single tap on info flag

single tap

long press

[Current Focus, additional info]

☐ Nokia Function
☐ Nokia Function
◎ Service Function
◯ Service Function

Connect menu opens.

[Current Focus, additional info]

☐ Nokia Function
☐ Nokia Function
◎ Service Function
◯ Service Function
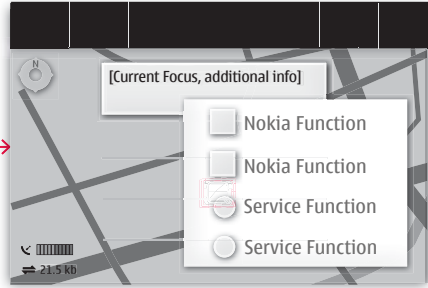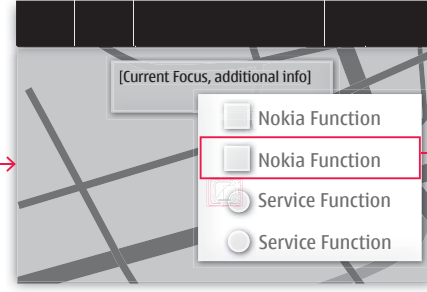
single tap

Selecting menu item opens associated player flow.

Task Name ＋ ←

Service Name

List View

single tap

Service Name

[Current Focus, additional info]

21.5 kb
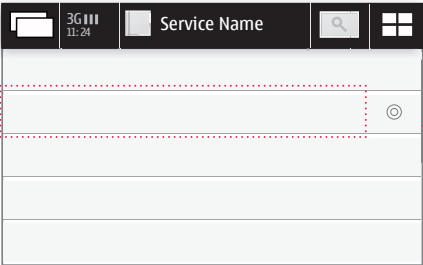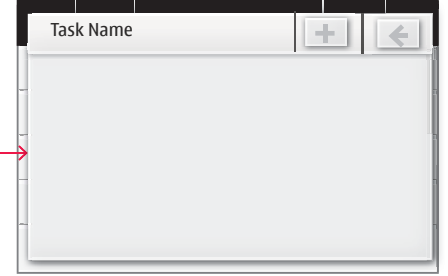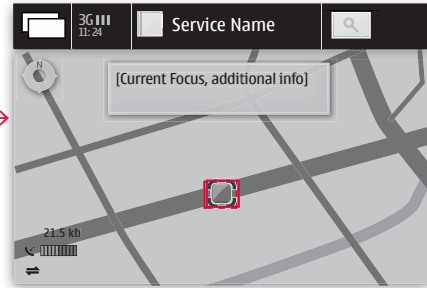
Closing Transition
User taps off the menu and closes connect menu.

Components

Components | List Container

Context Header

List Header
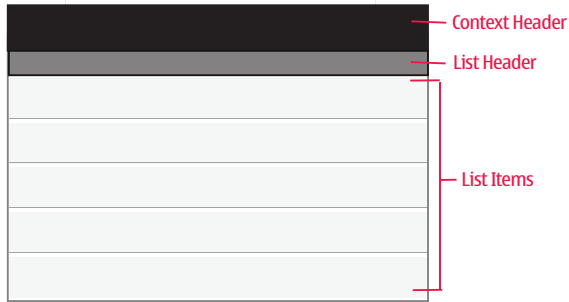
List Items

Scrollbar & Scrolling Behavior

| 1 |
| 2 |
| 3 |
| 4 |
| 5 |

Scroll Indicator

drag down

| 4 |
| 5 |
| 6 |
| 7 |
| 8 |

drag down

| 9 |
| 10 |
| 11 |
| 12 |
| etc >> |

Descriptions:

Components | List Container Continued

Pagination (10 Item Sets)

7
8
9
10
show next 10 results

Next Set
Button

single tap

10
11
12
13
14

Pressing "next 10 results" concatenates the next set of 10 onto the previous list. Showing the page break and the next set of 10.

Page Indicator

drag down

17
18
19
20
show next 10 results

single tap

10
11
12
13
14

Scrolling up reveals that the list has grown and is one continuous list.

drag up

20
21
22
23
24

NOKIA

Components | List Items

Tap Area 1   Tap Area 2

| Name | Distance | ◎ |
| Address | | |

long press   single tap   single tap

Activated States

| Name | Distance | ◎ |
| Address | | |

Tap Area 1

| Name | Distance | ● |
| Address | | |

Tap Area 2

Item Types

Default

Restaurant Vino e Libri

Category Item

Category Name   1,4 km   (>)

Location - Object Item

Restaurant Vino e Libri   1,4 km   (i)
Torstr. 99, 10119 Berlin

Location Item 1

Torstr. 99, 10119 Berlin   1,4 km   (i)

Location Item 2

Berlin, Germany   1,4 km   (i)

Form Entry Item

Label   (>)
Value (s)

Default Behavior Mappings

Tap Area 1 Short Press	Long Press	Tap Area 2 Short Press
Disabled	Disabled	Disabled
Opens	Opens	Opens
???	Connect Menu	Opens (Details)
???	Connect Menu	Opens (Details)
???	Connect Menu	Opens (Details)
Opens	Opens	Opens

● Required by Medos Framework; Not-Modifiable

Descriptions:

Components | Form Element Items

Descriptions:

Tap Area

Value Label ◎

single tap
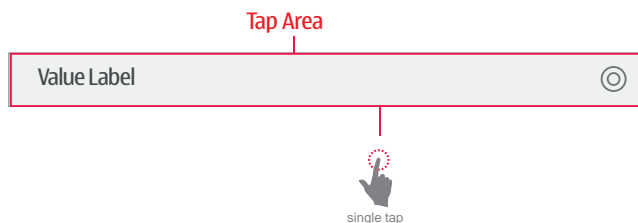
Activated State & Resulting Behavior

Value Label ●

Item Types

Text Input

Value Label [   ]

Single Select

Value Label ◎

Multi-Select

Value Label ☐

Slider

Value Label ———[ ]——————
A   B

* Note: only slider control handle is selectable.

single tap

drag sideways

Resulting Behaviors

Value Label [|]
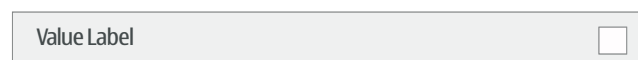
Focuses text cursor in text field.

Value Label ⦿
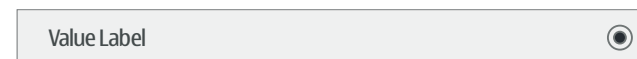
Selects item and returns automatically to form entry Item. Value Filled.

Value Label ☑

Selects item. Allows for multiple selection items.
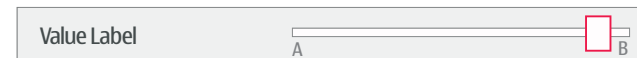
Value Label ——————————[ ]
A   B

Moves slider.

Components | Saving Form Input

← Back and Save

Form Entry Item Types

Text Input

| Value Label | Entered Value |

Label
Selected Value   ⊙   ←— Automatic

Selected value appears below label. Return is automatic from item.

Single Select

Value Label   ◉

Label
Selected Value, Selected Value, Selected Value, Selected Value . . .   ⊙

Selected values delineated with commas and truncated with ". . ."

Multi-Select

Value Label   ☑

← single tap

Slider

Value Label |———————[ ]—| A   B

Components | Navigation Elements

🔍	Single page switcher (used in Search Places)	

Multi-page switcher (used in Routing)

Back to Map (returns to previous state of map)

← Back returns to previous page

← Back and Save (Forms)

Descriptions: