

N/A Not applicable  
 — not implement  
 Partial partially implement  
 X implement

ID	AGL Spec v1.0	2015	2016	Memo																																													
5422	<b>3.1 Home Screen</b>	N/A	N/A																																														
	Home Screen provides the Home User Interface (Home UI) of the system which meets the following requirements: Rich User Experience (Rich UX) Driver Distraction mitigation Variations support  Rich UX covers requirements such as usability and user satisfaction. Driver Distraction mitigation covers requirements on display control and user operation behavior while vehicle is in motion to minimize driver distraction. Variations support covers requirements to support customization of design and behavior of the system to meet the different needs of vehicle type, destination and grade.																																																
5476		N/A	N/A																																														
5478	<b>3.1.1 Layout</b>	N/A	N/A																																														
	The following use cases are considered for Layout. Home Screen developer changes the Home UI by using a customizable layout definition.	Partial	X	Depend on Window Manager and weston For Demo, layout definition pattern is fixed.																																													
5479	<b>3.1.2 System UI Parts</b>	N/A	N/A																																														
	The use case assumed about System UI Parts is as follows. An application or System uses status bar and on-screen in order to notify information to a user. User uses the system setting UI in order to change settings. User uses software keyboard in order to input characters.	Partial	X	Partial means Status Bar and On-Screen only																																													
5482		Partial	X																																														
5483	<b>3.1.3 Application Management</b>	N/A	N/A																																														
	The use case assumed about Application Management is as follows. A user downloads and installs or updates the delivery application from application store. A user uninstalls the delivery application. A user launches the installed delivery application or the pre-installed application. Also a user terminates those applications.	Partial	X	Partial means launch pre-install application, terminate application																																													
9516		Partial	X																																														
5484	<b>3.1.4 Application Switch</b>	N/A	N/A																																														
	The use case assumed about Application Switch is as follows. User switches application via application history or application stack. The system switches application according to Driving Mode status.	Partial	X	Partial means Drive Mode implementation is tentative, because Drive Mode status depends on Policy Manager.																																													
9517		Partial	X																																														
5485	<b>3.1.5 Application History</b>	N/A	N/A																																														
	Application switching by application history is assumed as follows. The system records the order of the applications in the order in which the application is displayed. The order of application that is recorded is updated each time the display of the application is switched. Screen of the application is displayed in the order in which they are recorded in the history at the time of switching applications.  • Specification of operation – User runs a swipe from the edge of the application screen area. • Specification of action – The order of the screen is managed order management list (application history). – List order update opportunity(Update has determined a display of the application) – Application starts or stops. – Allowed to stand between the screen N seconds after the swipe. ※“N seconds”:User defines the value of any. – User to operate the screen after you swipe. ※“operation”:Screen tap. Menu display. Other.																																																
9518	Figure 5-2 represents a sample Home Screen depicting the above mentioned use cases.	–	X	Depend on Window Manager and weston																																													
2842		N/A	N/A																																														
9515	<b>3.1.6 Application Stack</b>	N/A	N/A																																														
	Application switching by application stack is assumed as follows. The user specifies the type of any order. The system records the order of the application to the rule as of the specified type. Examples of the types of any order Application start-up order Screen of the application is displayed in the order in which they are recorded in the stack when switching applications.  • Specification of operation User runs a swipe from the edge of the application screen area. • Specification of action The order of the screen is managed order management list (application stack). List order update opportunity.(Application start-up order as an example) Application that started at the end of the list when the application is started is added. Application that has stopped from the list when the application is stopped will be deleted.																																																
9519	Figure 5-3 represents the switching example depicting the application of the above switching.	Partial	X	Partial means support only as for the minimum function																																													
2843		N/A	N/A																																														
9520	<b>3.1.7 Role of Home Screen</b>	N/A	N/A																																														
9526	Table 5-1 describes the role of the Home Screen to satisfy the purpose and use cases mentioned above.	N/A	N/A																																														
3016	<table border="1"> <thead> <tr> <th>No</th> <th>Use Case</th> <th>Role</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1-1</td> <td rowspan="2">Layout</td> <td>GUI Layout definition</td> <td>Function to define a customizable GUI Layout definition.</td> </tr> <tr> <td>1-2</td> <td>Change Layout</td> <td>Function to apply the customized GUI layout definition.</td> </tr> <tr> <td>2-1</td> <td rowspan="3">System UI Parts</td> <td>Status Bar</td> <td>Function to display the information from application or system.</td> </tr> <tr> <td>2-2</td> <td>On-screen</td> <td>Function to quickly access and set certain system settings.</td> </tr> <tr> <td>2-3</td> <td>System Setting</td> <td>Function to display a popup window such as alert messages.</td> </tr> <tr> <td>2-4</td> <td>Software Keyboard</td> <td>Function to display system settings menu regarding GUI, such as locale and network.</td> </tr> <tr> <td>3-1</td> <td rowspan="2">Application Management</td> <td>Application Management</td> <td>Function to display software keyboard.</td> </tr> <tr> <td>3-2</td> <td>Application Launcher</td> <td>Function to download applications from application store. Function to install, uninstall and update the downloaded applications.</td> </tr> <tr> <td>4-1</td> <td rowspan="3">Application Switch</td> <td>Application List</td> <td>Function to launch/terminate applications.</td> </tr> <tr> <td>4-2</td> <td>Application History</td> <td>Function to switch applications by installed application list.</td> </tr> <tr> <td>4-3</td> <td>Application Stack</td> <td>Function which switches application in order by applications history.</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Function to switch application in any order.</td> </tr> </tbody> </table>	No	Use Case	Role	Description	1-1	Layout	GUI Layout definition	Function to define a customizable GUI Layout definition.	1-2	Change Layout	Function to apply the customized GUI layout definition.	2-1	System UI Parts	Status Bar	Function to display the information from application or system.	2-2	On-screen	Function to quickly access and set certain system settings.	2-3	System Setting	Function to display a popup window such as alert messages.	2-4	Software Keyboard	Function to display system settings menu regarding GUI, such as locale and network.	3-1	Application Management	Application Management	Function to display software keyboard.	3-2	Application Launcher	Function to download applications from application store. Function to install, uninstall and update the downloaded applications.	4-1	Application Switch	Application List	Function to launch/terminate applications.	4-2	Application History	Function to switch applications by installed application list.	4-3	Application Stack	Function which switches application in order by applications history.				Function to switch application in any order.	Partial	X	Partial means support 1-1, 1-2, 2-1, 2-2, 3-2, 4-1
	No	Use Case	Role	Description																																													
	1-1	Layout	GUI Layout definition	Function to define a customizable GUI Layout definition.																																													
	1-2		Change Layout	Function to apply the customized GUI layout definition.																																													
	2-1	System UI Parts	Status Bar	Function to display the information from application or system.																																													
	2-2		On-screen	Function to quickly access and set certain system settings.																																													
	2-3		System Setting	Function to display a popup window such as alert messages.																																													
	2-4	Software Keyboard	Function to display system settings menu regarding GUI, such as locale and network.																																														
	3-1	Application Management	Application Management	Function to display software keyboard.																																													
	3-2		Application Launcher	Function to download applications from application store. Function to install, uninstall and update the downloaded applications.																																													
4-1	Application Switch	Application List	Function to launch/terminate applications.																																														
4-2		Application History	Function to switch applications by installed application list.																																														
4-3		Application Stack	Function which switches application in order by applications history.																																														
			Function to switch application in any order.																																														
3017	Table 5-2: Relevance of the Role and Purpose	N/A	N/A																																														

	No.	Role	Rich UX	Driver Distraction mitigation	Variations support			
3018	1-1	GUI Layout definition	✓	✓	✓			
	1-2	Change Layout	✓	✓	✓			
	2-1	Status Bar	✓		✓			
	2-2	On-screen	✓		✓			
	2-3	System Setting	✓		✓			
	2-4	Software Keyboard	✓		✓			
	3-1	Application Management	✓	✓				
	3-2	Application Launcher	✓	✓				
	4-1	Application List	✓	✓				
	4-2	Application History	✓	✓				
4-3	Application Stack	✓	✓					
9521	<b>3.1.8 Requirements</b>					N/A	N/A	
9522	<b>3.1.8.1 Layout</b>					N/A	N/A	
9527	Home Screen must provide a mechanism for customizable GUI layout definition by each vehicle type, each destination and each grade. Home Screen must provide a mechanism for a customizable GUI layout definition for different vehicle type, destination and grade. GUI layout definition can be defined such as the following items: (In addition, items that can be defined is not limited to the following.) screen resource (Display, Layer Type, Area) sound resource (Zone, Sound Type) input resource (Device, Event Type) UI Component to be used in the entire system transition effect (Animation effect) Background image					Partial	X	Partial means support only as for the minimum function
9530	Home Screen must provide a mechanism to apply customized GUI layout definition.					Partial	X	Depend on Window Manager and weston
9523	<b>3.1.8.2 System UI Parts</b>					N/A	N/A	
9529	Home Screen must provide a mechanism to display two or more information simultaneously to the status notification area.					Partial	X	Partial means not support Policy Manager collaboration
9531	Home Screen must provide a mechanism to displaying status to status notification area. Current Time: Displaying clock capability Icons of Status: Displaying icons for notify information from applications Status Message: Displaying text for notify information from applications Communication Status: Status of mobile communication and wireless communications (Wi-Fi, Bluetooth, etc.)					X	X	
9532	Home screen must provide an interface to retrieve information from application for notification.					Partial	X	Partial means not support Policy Manager collaboration
9533	Home Screen must provide a mechanism to show popup window into on-screen window.					X	X	
9534	Home Screen must provide GUI method to hide on-screen window by user operation. Home Screen must provide a mechanism to hide on-screen window within a specified duration.					-	X	depend on Policy Manager
9535	Home Screen must provide an interface for applications to request to show popups.					Partial	X	Partial means not support Policy Manager collaboration
9536	Home Screen must provide an interface for applications to cancel the previously requested popup.					-	X	
9537	Home Screen must provide a mechanism to show text information, draw images and show software switch like button in the on-screen window.					Partial	X	Partial means not support Policy Manager collaboration
9538	Home Screen must provide a mechanism to specify attributes such as position and size of On-screen window.					-	X	
9539	Home Screen must support a mechanism to specify other window display effect when the On-screen window is displayed. (e.g. tone down)					-	X	
9540	Home Screen must provide system setting menu regarding GUI, such as locale and network.					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec
9541	Home Screen must provide a mechanism to change current date and time setting.					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec
9542	Home Screen must provide a mechanism to change timezone setting.					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec
9543	The platform must set up the date, time and timezone according to a current position automatically. Home Screen must provide a mechanism to set up turning on and off of the automatic date/time/timezone setup.					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec
9544	Home Screen must provide a mechanism to change language setting.					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec
9545	Home Screen must provide a mechanism to change wireless communications (Wi-Fi, Bluetooth, etc.) setting. Enable/Disable Connect/Disconnect Search the devices Display the list of available and/or registered devices					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec ver.2.0)
9546	Home Screen must provide a mechanism to change mobile communication setting. Enable/Disable A setup and change of various attributes Display the list of registered devices and select device					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec ver.2.0)
9547	HomeScreen must support to change the appearance of a screen to a user's liking. These are as follows. Tone of a screen. Appearance of a window frame. Animation effect when screen transition was occurred.					-	X	Depends on User Manager
9548	Home Screen must support a mechanism to set or change master audio volume.					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec
9549	Home Screen must support a mechanism to set or change display brightness.					N/A	N/A	the setting application should be taken this responsibility (it should be created new 'setting' section in AGL Spec
9550	Home Screen must provide a mechanism to show software keyboard.					-	X	
9551	Home Screen must provide a mechanism to apply default settings (e.g. theme, local, wallpaper) to a new user, when a user is added by the User Manager.					-	X	
9524	<b>3.1.8.3 Application Management</b>					N/A	N/A	
9552	Home Screen must provide a mechanism to manage downloaded application package. Display downloaded application list from application store. Download the application Install the downloaded application Uninstall the downloaded application Update the downloaded application					-	X	
9553	Home Screen must provide a mechanism to launch the application. Home Screen must provide a mechanism to terminate the application.					Partial	X	Partial means support only pre-install application
9525	<b>3.1.8.4 Application Switch</b>					N/A	N/A	
9554	Home Screen must provide a mechanism to show the list of installed applications. Examples of assumed application list list of application name list of application's icon list of live thumbnail for all the running applications					Partial	X	Partial means support list of application name with tentative solution
9555	Home Screen must provide a mechanism for switching display application in order by application history.					Partial	X	Partial means Not support persistency
9556	Home Screen must provide a mechanism for the application stack in any order. For example, such as launch order or display order.					Partial	X	Partial means Not support persistency and boot order configuration
9557	Home Screen must provide a mechanism for the system to switch applications. For example, when Driving Mode changes, system must be able to switch application based on policy.					Partial	X	Partial means not support Policy Manager collaboration so Driving mode implementation is tentative.