

Table 1: Add new L3 Requirement

Level_3	L3_id	Req_key	Title	CCR	Text
<u>ADD</u>	<u>IMS-1075</u>	<u>NEW</u>	<u>Data Acquisition Planning and Request Submittal</u>		<u>The IMS tool that provides users with the capability to construct and submit DARs shall be accessible from personal computers and workstations, without requiring users to install IMS client software.</u>
EOT					

Table 2: Add new RBR Requirement

Req_b y_rel	Paragraph_id	Object_i d	release	req_categ ory	segment_ allocatio n	req_type	s_verif_ method	s_verif_s tatus	a_verif_ method	a_verif_s tatus	CCR	Text
ADD	<u>IMS-1075#B</u>	<u>NEW</u>	<u>BOB1</u>	<u>mission essential</u>	<u>SDPS</u>	<u>functional</u>	<u>test</u>	<u>un- verified</u>	<u>test</u>	<u>un- verified</u>		<u>The IMS tool that provides users with the capability to construct and submit DARs shall be accessible from personal computers and workstations, without requiring users to install IMS client software.</u>
EOT												

Table 3: Add new DAR related L4's

Level_4	Paragraph_id	object_id	release	req_type	req_statu s	verificatio n_method	verificatio n-status	ccr	Text	clarificatio n

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
<u>ADD</u>	<u>S-CLS-19182</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall allow users that are not authorized for DAR submission to use the DAR Tool to construct DARs, but will not allow them to submit these DARs to the ASTER GDS.</u>	
<u>ADD</u>	<u>S-CLS-19184</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI shall support a web interface that provides users system access through one of the following Web browsers that they have installed on their workstation or personal computer at a minimum: a. Netscape (Version 4.06) b. Microsoft Explorer (Version 4.X or higher)</u>	<u>Use of JAVA Plugin may also be required.</u>
<u>ADD</u>	<u>S-CLS-19186</u>	<u>NEW</u>	<u>B0</u>	<u>standards</u>	<u>approved</u>	<u>inspection</u>	<u>unverified</u>		<u>The WKBCHCI DAR Tool shall have a common look and feel within the interface and with other ECS user interfaces (i.e., JEST) as defined by the ECS User Interface Style Guide.</u>	
<u>ADD</u>	<u>S-CLS-19188</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall submit a request for the user's remaining DAR budget , upon request by the user, to the ASTER GDS in accordance with the ECS to ASTER GDS ICD.</u>	
<u>ADD</u>	<u>S-CLS-19191</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall provide users the option to display latitude/longitude pairs as symbols,</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>displayed in their proper geo-location on the map used to select areas of interest when constructing a DAR.</u>	
<u>ADD</u>	<u>S-CLS-19192</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall provide users the option to display a series of latitude/longitude pairs as connected lines, displayed in their proper geo-location on top of the map used to select areas of interest when constructing a DAR.</u>	
<u>ADD</u>	<u>S-CLS-19194</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall support the following DAR Tool functions: a) <u>spatial selection for DAR AOI creation</u> b) <u>xAR Status AOI/AOS viewing</u> c) <u>xAR Status Acquired Scenes viewing</u></u>	
<u>ADD</u>	<u>S-CLS-19196</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial selection function shall allow users to select and add geographic areas of interest as a polygon during DAR formulation.</u>	
<u>ADD</u>	<u>S-CLS-19198</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial selection function shall support the graphical and textual selection of a minimum bounding rectangle AOS to be used as part of a xAR Search.</u>	<u>A minimum bounding rectangle is a rectangle</u>

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
										<u>which is parallel to the equator of the earth.</u>
<u>ADD</u>	<u>S-CLS-19201</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial selection function shall support a minimum bounding rectangle selection on the spatial map by defining a latitude/longitude box to be used as part of a xAR Search.</u>	<u>A minimum bounding rectangle is a rectangle which is parallel to the equator of the earth.</u>
<u>ADD</u>	<u>S-CLS-19202</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial selection function shall support the selection of polygons on the spatial map by the simple connection of points selected by the user.</u>	
<u>ADD</u>	<u>S-CLS-19204</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial selection function shall allow users to delete AOIs drawn by them on a map prior to their addition to a DAR or xAR search.</u>	
<u>ADD</u>	<u>S-CLS-19206</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial selection function shall allow users to highlight an AOI to distinguish it</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>from overlapping AOIs.</u>	
<u>ADD</u>	<u>S-CLS-19208</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial selection function shall allow the user to stop a current web transaction relating to spatial map server connections and downloads and upon termination of the web transaction, the spatial map reverts to its previous state.</u>	
<u>ADD</u>	<u>S-CLS-19210</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall support the display of a base map and additional map overlays.</u>	
<u>ADD</u>	<u>S-CLS-19212</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map function shall support the following zoom capabilities: a) zoom by window: zoom to a user defined area drawn interactively on a map using a rubberbanding box b) zoom in: zoom in on the map center point by a pre-defined zoom factor c) zoom out: zoom out from the map center point by a pre-defined zoom factor d) zoom by percent: zoom in or out on the map center by a percentage.</u>	
<u>ADD</u>	<u>S-CLS-19214</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall support the following pan</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>capabilities:</u> <u>a) point-and-click: click on any point within the map to make that point the map center point</u> <u>b) drag-and-release: drag a map point to a new position within the map area to effect a corresponding pan.</u>	
<u>ADD</u>	<u>S-CLS-19216</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall support the reset of the map scale and pan to a zoom factor of 1 (100%) and a pan center of 0 degrees lat. and 0 degrees long. with a single user action.</u>	
<u>ADD</u>	<u>S-CLS-19218</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall allow the user to see the current zoom area in relation to the whole earth and use this display to pan the zoom window to another area on the earth.</u>	
<u>ADD</u>	<u>S-CLS-19220</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall respond appropriately (resize) to window resizing events.</u>	
<u>ADD</u>	<u>S-CLS-19222</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall allow selection of projections via a select list.</u>	
<u>ADD</u>	<u>S-CLS-19224</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall allow control of overlay resources to include, at a minimum,</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>the following:</u> <u>a) color</u> <u>b) line style</u> <u>c) line thickness</u> <u>d) line width.</u>	
<u>ADD</u>	<u>S-CLS-19226</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall allow the user to control overlay sequences that are being displayed.</u>	
<u>ADD</u>	<u>S-CLS-19228</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall support the display of a latitude/longitude grid which includes the annotation of user selected latitude/longitude intervals.</u>	
<u>ADD</u>	<u>S-CLS-19230</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall support user customization of the latitude/longitude grid to include, at a minimum:</u> <u>a) the grid size in the following increments: 5, 10, 15, 20, 25, 30, 45, 60, 90</u> <u>b) the showing/hiding of latitude/longitude annotations</u>	
<u>ADD</u>	<u>S-CLS-19232</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial map shall support the display of the following data, at a minimum:</u> <u>a) current projection</u> <u>b) zoom factor/percentage</u> <u>c) cursor location in</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>latitude/longitude coordinates.</u>	
<u>ADD</u>	<u>S-CLS-19233</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool xAR Status viewing function shall support the capability to simultaneously view xAR spatial and temporal information graphically.</u>	
<u>ADD</u>	<u>S-CLS-19234</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool xAR Status function shall allow the user to highlight or hide a xAR geographic or temporal AOI within the viewing window.</u>	
<u>ADD</u>	<u>S-CLS-19236</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool xAR Status function shall support the display of xAR acquired scenes overlaid with the xAR AOI.</u>	
<u>ADD</u>	<u>S-CLS-19238</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool acquired scenes viewing function shall support the display of the following acquired scenes data, at a minimum:</u> <u>a) xAR ID</u> <u>b) Maximum acceptable cloud coverage</u> <u>c) scene ID</u> <u>d) date observed</u> <u>e) cloud cover by quadrant (i.e., distinguishing quadrants that meet the cloud cover criteria from those that do not)</u> <u>f) latitude/longitude coordinates of</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>scenes</u>	
<u>ADD</u>	<u>S-CLS-19240</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool xAR status acquired scenes viewing function shall support the geographic display of the xAR AOI(s) and the acquired scenes on a map of the world.</u>	
<u>ADD</u>	<u>S-CLS-19241</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool acquired scenes viewing function shall support the highlighting or hiding of acquired scenes within the viewing window.</u>	
<u>ADD</u>	<u>S-CLS-19242</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall synchronize geographic selection criteria for a xAR Search so that selection of an area on a xAR Search map display is translated into latitude / longitude coordinates in a Search Request submission window.</u>	
<u>ADD</u>	<u>S-CLS-19244</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall synchronize geographic selection criteria for a xAR Search so that typed latitude/longitude coordinates in a xAR Search Request submission window are graphically displayed as a minimum bounding rectangle on a xAR Search map display.</u>	
<u>ADD</u>	<u>S-CLS-19246</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool map displays shall provide the following types of geographic data sets for</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									background reference: <ol style="list-style-type: none"> 1. <u>land/oceans,</u> 2. <u>major lakes and rivers,</u> 3. <u>mountain ranges,</u> 4. <u>volcanoes,</u> 5. <u>major highways and railroads,</u> 6. <u>urban areas, and</u> 7. <u>political boundaries.</u> 	
<u>ADD</u>	<u>S-CLS-19248</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial display shall label view swaths with the angle from nadir upon the request of the user.</u>	
<u>ADD</u>	<u>S-CLS-19250</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial display shall label ground tracks with the orbit number upon the request of the user.</u>	
<u>ADD</u>	<u>S-CLS-19252</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial display shall turn off view swath and ground track labels upon the request of the user.</u>	
<u>ADD</u>	<u>S-CLS-19254</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall allow the user to select only one value per attribute with a distinct set of values in support of creating a xAR Search.</u>	
<u>ADD</u>	<u>S-CLS-19256</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall allow the user to search for xAR status using either a DAR ID or DAR attributes, but not both, in the</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>same search.</u>	
<u>ADD</u>	<u>S-CLS-19258</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall provide users the capability to select from a list of values for DAR parameters that have a distinct set of values.</u>	
<u>ADD</u>	<u>S-CLS-19260</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall allow the xAR search results to be sorted by any of the attributes listed in the xAR search results display.</u>	
<u>ADD</u>	<u>S-CLS-19262</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool xAR status function shall allow the user to view the following, at a minimum:</u> <u>a) xAR status</u> <u>b) xAR temporal and spatial bounds</u> <u>c) xAR type</u> <u>d) xAR requestor (user ID)</u> <u>e) xAR contents</u> <u>f) xAR AOIs overlaid with the geographical extent of the status search area (AOS – Area of Search).</u> <u>g) xAR acquired scenes</u>	
<u>ADD</u>	<u>S-CLS-19263</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall support the save and restore of search criteria and search results.</u>	
<u>ADD</u>	<u>S-CLS-19264</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall automatically save:</u> <u>1) a xAR search submitted by the user.</u>	

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									<u>2) the corresponding xAR search results and have the capability to correlate the search request with the corresponding search results.</u>	
<u>ADD</u>	<u>S-CLS-19266</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall submit a subscription at the request of the user that results in a product order for the Level 1B data sent to ECS as the result of a Data Acquisition Request.</u>	
<u>ADD</u>	<u>S-CLS-19268</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall submit a subscription at the request of the user as a result of a Data Acquisition Request that results in a data processing request being created with non-default parameters to produce a higher level product from the Level 1A data sent to ECS from the ASTER GDS.</u>	
<u>ADD</u>	<u>S-CLS-19270</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool screen shall distinguish optional fields from mandatory fields.</u>	
<u>ADD</u>	<u>S-CLS-19272</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall ensure that only those gain settings appropriate to the selected sensor(s) can be enabled by the user during DAR creation.</u>	
<u>ADD</u>	<u>S-CLS-19274</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall</u>	

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									<u>disable the entry of minimum and maximum look angles and specific look angles when the user enters a specific view swath during DAR creation.</u>	
<u>ADD</u>	<u>S-CLS-19276</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall disable the entry of Minimum and Maximum Look Angles and Specific View Swath when the user enters a Specific Look Angle during DAR creation.</u>	
<u>ADD</u>	<u>S-CLS-19278</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall ensure that when Implementation Urgency is set to 'Yes', that xAR lifetime start and end days do not exceed a total of 18 days during DAR creation.</u>	
<u>ADD</u>	<u>S-CLS-19280</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall ensure that when Ground Campaign is set to 'Yes', that the tool does not permit users to set 'Allow Cross-Track Fragmentation' to 'Yes' during DAR creation.</u>	
<u>ADD</u>	<u>S-CLS-19282</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall ensure that when the Avoid Clouds Flag is set to 'No', that the tool does not permit users to enter Cloud Coverage settings during DAR creation.</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
<u>ADD</u>	<u>S-CLS-19284</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<p><u>The WKBCH CI -DAR Tool shall have the capability to display any user-defined combination of the following on a timeline schedule for any selected orbits and/or time period of the input schedule data:</u></p> <ul style="list-style-type: none"> a. <u>observations scheduled (i.e., Instrument taking Data)</u> b. <u>pointing activities for each telescope</u> c. <u>mode changes (for each telescope)</u> d. <u>calibration activities (for each telescope)</u> e. <u>activities of instruments other than ASTER requiring coordination with ASTER</u> f. <u>spacecraft activities</u> g. <u>terminator crossings</u> 	
<u>ADD</u>	<u>S-CLS-19286</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<p><u>The WKBCH CI DAR Tool shall have the capability to display the following information on a timeline schedule display for scheduled observations and observation opportunities:</u></p> <ul style="list-style-type: none"> a. <u>event, orbit, sequence number</u> b. <u>Telescopes used</u> c. <u>Pointing angle</u> d. <u>Gain setting of each telescope</u> e. <u>Band selection of the VNIR</u> 	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>subsystem</u> f. <u>xAR id</u>	
<u>ADD</u>	<u>S-CLS-19288</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall provide users with the capability to de-clutter the screen by turning off the display of various schedule objects that overlap or interfere with one another.</u>	
<u>ADD</u>	<u>S-CLS-19290</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall provide an indication when a subset of the observations on the schedule timeline are displayed as a result of screen de-cluttering.</u>	
<u>ADD</u>	<u>S-CLS-19292</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall allow the user to control the scale of the timeline display in units of:</u> a. <u>hours</u> b. <u>days</u> c. <u>weeks</u> d. <u>months</u> e. <u>years</u>	
<u>ADD</u>	<u>S-CLS-19294</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall allow the user to scroll through the schedule timeline display such that the actual timeline being displayed is one time segment within a longer timeline.</u>	
<u>ADD</u>	<u>S-CLS-19296</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall synchronize time-related data for a</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	clarification
									<u>xAR Search Request so that selection of a time range on a Search Request timeline tool will be translated into date/time ranges in a Search Request submission window.</u>	
<u>ADD</u>	<u>S-CLS-19298</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool temporal selection function shall support the graphical and textual selection of temporal ranges in support of DAR creation and xAR searches.</u>	
<u>ADD</u>	<u>S-CLS-19300</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>test</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall provide an HTML tutorial for training users in the use of the DAR Tool.</u>	
<u>ADD</u>	<u>S-CLS-19138</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool spatial display shall provide the capability to display the following information during DAR formulation:</u> <u>a) ground tracks</u> <u>b) terminator crossings</u> <u>c) equator and other major latitude crossings</u> <u>d) possible view swaths</u>	
<u>ADD</u>	<u>S-CLS-14442</u>	<u>NEW</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>		<u>The WKBCH CI DAR Tool shall provide the capability to create a new DAR by editing the parameters of a previously submitted DAR.</u>	

Table 4: CLS L4 Modification table

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
CC	S-CLS-19132	13557	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall have the capability to provide a resource estimate of the total area coverage of a specific Area of Interest (AOI) for a DAR.	
CT	S-CLS-19132								The WKBCH CI DAR <u>Tool</u> shall have the capability to provide a resource estimate <u>for a DAR</u> of the total area <u>to be imaged in square km [AOI in square km * number of repeats; where the minimum area is 3600 sq. km].</u>	
CC	S-CLS-19135	13884	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall provide references to sources of climatology information, including: cloud climatology probabilities, seasonal snow and ice cover, and major ecosystem regions.	
CT	S-CLS-19135								The WKBCH CI DAR <u>Tool</u> shall provide references to sources of climatology	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									information, including: cloud climatology probabilities, seasonal snow and ice cover, and major ecosystem regions.	
CC	S-CLS-19140	13888	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall establish a maximum waiting period (in addition to that specified by the API) within which an acknowledgment is expected.	
CT	S-CLS-19140								The WKBCH CI DAR <u>Tool</u> shall establish a maximum waiting period (in addition to that specified by the API) within which an acknowledgment is expected <u>for all requests sent to the ASTER GDS</u>	
CC	S-CLS-19141	13889	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall retransmit a user DAR request after the waiting period expires, for a configurable number of times.	
CT	S-CLS-19141								The WKBCH CI DAR <u>Tool</u> shall retransmit <u>all</u> DAR requests after the waiting period expires, for a configurable number of times.	
CC	S-CLS-19142	13890	B1	functional	increment	demo	unverified	97-	The WKBCH CI DART shall	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
					al			1211A	provide messages to users of the current state of each user request (DAR submit, modify, or query), while waiting for results to be returned from ASTERGDS.	
CT	S-CLS-19142								The WKBCH CI DAR <u>TOOL</u> shall provide messages to users of the current state of each user request (DAR submit, modify, or <u>search</u>), while waiting for results to be returned from ASTERGDS.	
CC	S-CLS-19155	13895	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART help system shall provide ASTER-specific default settings for the three ASTER telescopes.	
CT	S-CLS-19155								The WKBCH CI DAR <u>TOOL</u> help system shall provide ASTER-specific default settings for the three ASTER telescopes.	
CC	S-CLS-19156	13896	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART help system shall provide ASTER-specific help messages that instruct authorized users how to change the instrument parameter settings for the three ASTER telescopes in	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									their DARs.	
CT	S-CLS-19156								The WKBCH CI DAR <u>TOOL</u> help system shall provide ASTER-specific help messages that instruct users how to change the instrument parameter settings for the three ASTER telescopes in their DARs.	
CC	S-CLS-19158	13558	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall provide synchronous submission of complete DARs to the ASTER GDS (via the DAR Comm Gateway) which are correct in format and syntax.	
CT	S-CLS-19158								The WKBCH CI DAR <u>TOOL</u> shall provide synchronous submission of complete DARs to the ASTER GDS which are correct in format and syntax.	
CC	S-CLS-19166	13897	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall have the capability to provide a meaningful error message to users based on the receipt of an error code from the ASTER GDS.	
CT	S-CLS-19166								The WKBCH CI DAR <u>Tool</u> shall have the capability to	<u>Error codes can come from</u>

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									provide a meaningful error message to users based on the receipt of an error code from <u>ECS network components or services</u> or the ASTER GDS.	<u>the MOJO Gateway, DAR Communications Gateway or, ASTER GDS.</u>
CC	S-CLS-13870	13540	B0	functional	incremental	test	unverified	97-0982A	The WKBCH CI shall provide visualizations of a single view swath for the ASTER instruments , based on user selection, as a reference aid to the creation of spatial coordinates for a DAR.	
CT	S-CLS-13870								The WKBCH <u>CIDAR Tool</u> shall provide visualizations of a single view swath for the ASTER <u>sensors</u> , based on user selection, as a reference aid to the creation of <u>an area of interest</u> for a DAR.	
CC	S-CLS-13990	9551	B1	functional	incremental	test	unverified	97-0550A	The WKBCH CI shall provide users the capability to view the resulting selection area on a map when a latitude/longitude selection is typed in for a search.	
CT	S-CLS-13990								The WKBCH CI <u>DAR Tool</u> shall provide users the	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification_status	ccr	Text	Clarification
									capability to view the resulting selection area on a map when a latitude/longitude selection is <u>made during DAR formulation and xAR Search creation.</u>	
CC	S-CLS-14420	8292	B0	functional	incremental	test	unverified	96-1354A	Geographic selection criteria for DARs shall be synchronized so that selection of an area on a DAR map display will be translated into lat/lon coordinates in a DAR submissions window.	
CT	S-CLS-14420								<u>The WKBCH CI DAR Tool shall synchronize</u> geographic selection criteria for DARs so that selection of an area on a DAR map display will be translated into <u>latitude/longitude</u> coordinates in a DAR submission window.	
CC	S-CLS-14430	8293	B0	functional	incremental	test	unverified	96-1354A	Geographic selection criteria for DARs shall be synchronized so that typing lat/lon coordinates in a DAR submission window will be graphically displayed as a blocked-out area on a DAR map display.	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification_status	ccr	Text	Clarification
CT	S-CLS-14430								The <u>WKBCH CI DAR Tool</u> shall <u>synchronize</u> geographic selection criteria for DARs so that typing <u>latitude / longitude</u> coordinates in a DAR submission window will be graphically displayed as a <u>bounded</u> area on a DAR map display.	
CC	S-CLS-19119	13880	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall provide the capability for users to interactively enter, edit, and delete latitude/longitude coordinates in an Area of Interest (AOI) polygon via a GUI spatial tool and/or keyboard entries onto a forms based screen.	
CT	S-CLS-19119								The <u>WKBCH CI DAR Tool</u> shall provide the capability for users to interactively enter, edit, and delete latitude/longitude coordinates in an Area of Interest (AOI) polygon.	
CC	S-CLS-19136	13885	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall have the capability to add or subtract overlays or	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									backgrounds to or from the map region on a geographic display.	
CT	S-CLS-19136								The WKBCH CI DAR <u>Tool</u> shall have the capability to <u>show or hide</u> overlays or backgrounds to or from the map on a geographic display.	
CC	S-CLS-19137	13886	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DAR F spatial display shall provide the capability to display a physiographic map providing terrain and surface cover features globally as geographic overlays, in a variety of projections: 1. Geographical (Plate Carree) 2. Universal Transverse Mercator Projections 3. Polar Stereographic 4. Lambert Conformal Conic 5. Space Oblique Mercator	
CT	S-CLS-19137								The WKBCH CI DAR <u>Tool</u> spatial display shall provide the capability to display <u>the following</u> geographic projections: 1. Geographical (Plate	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification_status	ccr	Text	Clarification
									Carree) 2. Universal Transverse Mercator 3. Polar Stereographic 4. Lambert Conformal Conic 5. Space Oblique Mercator	
CC	S-CLS-19139	13887	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART spatial display shall provide the capability to display: a) ground tracks b) areas of interest with xAR ID e) terminator crossings d) equator and other major latitude crossings e) instrument constraints (applicable to map), including: — 1) field of view — 2) look angles — 3) possible view swaths f) display of successfully observed scenes with cloud cover by quadrant (in association with the Area of Interest (AOI) polygon).	
CT	S-CLS-19139								The WKBCH CI DAR <u>Tool</u> spatial display shall provide the capability to display <u>the following information during</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									<p><u>the display of xAR Search results:</u></p> <p>a) areas of interest with xAR ID</p> <p>b) terminator crossings</p> <p>c) equator and other major latitude crossings</p> <p>d) display of successfully observed scenes with cloud cover by quadrant (in association with the Area of Interest (AOI) polygon).</p>	
CC	S-CLS-19145	13892	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall provide visualizations of possible ASTER instrument view swaths based on user supplied angles as a reference aid to the creation of ASTER DARs.	
CT	S-CLS-19145								The WKBCH CI DAR <u>Tool</u> shall provide visualizations of possible ASTER instrument view swaths, based on user supplied angles, as a reference aid to the creation of ASTER DARs.	
CC	S-CLS-19153	13893	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART spatial capability shall have the capability to display latitude/longitude of any point	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									on a geographical display selected by the user's pointing device.	
CT	S-CLS-19153								The WKBCH CI <u>DAR Tool</u> spatial <u>display</u> shall have the capability to display the latitude/longitude <u>coordinates</u> of any point on a geographical display selected by the user's pointing device.	
CC	S-CLS-19154	13894	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall be able to calculate the size (in square km) of any user-specified polygonal area on a geographical display.	
CT	S-CLS-19154								The WKBCH CI <u>DAR Tool</u> shall be able to calculate <u>and display to the user</u> the size (in square km) of any user-specified polygonal area on a geographical display.	
CC	S-CLS-13940	8277	B1	functional	incremental	test	unverified	97-0550A	The WKBCH CI shall retrieve and display ASTER DAR status when requested by users.	
CT	S-CLS-13940								The WKBCH CI <u>DAR Tool</u> shall allow the user to search for <u>ASTER xAR status</u> resulting in a display with the	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									<u>following information:</u> <u>a. Date and time of DAR submittal</u> <u>b. Sensor name</u> <u>c. Data acquisition request ID</u> <u>d. Request status</u> <u>e. Implementation schedule</u> <u>f. If rejection, then the reason for the rejection.</u>	
CC	S-CLS-19127	13882	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall allow an ECS user to display the results of DAR queries on spatial, temporal, and textual-based GUI displays.	
CT	S-CLS-19127								The WKBCH CI DAR <u>Tool</u> shall allow an ECS user to display the results of <u>xAR Searches</u> on spatial, temporal, and textual-based displays.	
CC	S-CLS-14440	8294	B0	functional	incremental	test	unverified	96-1354A	The WKBCH CI shall provide users the capability to retrieve any previously saved DAR parameters into a new DAR, edit the parameters, save the modified parameters, and/or submit the new DAR.	
CT	S-CLS-14440								The WKBCH CI <u>DAR Tool</u> shall provide users the capability to <u>save and retrieve</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									<u>the DAR parameters of any of their previously submitted DARs.</u>	
CC	S-CLS-19176	13899	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall the capability to save, delete, move, and copy: 1) DAR query input 2) DAR query results.	
CT	S-CLS-19176								The WKBCH CI <u>DAR Tool</u> shall <u>allow the user to delete:</u> 1) <u>a xAR search</u> 2) <u>xAR search results.</u>	
CC	S-CLS-13790	11849	B0	functional	incremental	test	unverified	97-0696A	The WKBCH CI shall provide users the capability to parameterize ASTER DARS with ASTER DAR Parameters as listed in the ASTER ICD.	
CT	S-CLS-13790								The WKBCH CI <u>DAR Tool</u> shall provide users the capability to <u>construct</u> ASTER DARS with ASTER DAR Parameters as listed in the <u>ECS to ASTER GDS ICD.</u>	
CC	S-CLS-13800	8264	B1	functional	incremental	test	unverified	96-1354A	The WKBCH CI shall provide the capability for users to construct a Subscription Request associated with a Data Acquisition Request.	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
CT	S-CLS-13800								The WKBCH CI <u>DAR Tool</u> shall <u>submit a subscription request for notification of data arrival on the user's behalf upon receiving a DAR ID from the ASTER GDS in response to a DAR submittal request.</u>	
CC	S-CLS-13820	8266	B0	functional	incremental	test	unverified	96-1354A	The WKBCH CI shall accept Service Requests for changes to existing DARs from the science user.	
CT	S-CLS-13820								The WKBCH CI <u>DAR Tool</u> shall accept requests for changes to <u>an</u> existing DAR from the science user <u>who submitted it.</u>	
CC	S-CLS-13850	8269	B1	functional	incremental	demo	unverified	97-0407A	The WKBCH CI shall provide users the capability to access the Guide during DAR formulation and submittal.	
CT	S-CLS-13850								The WKBCH CI <u>DAR Tool</u> shall provide <u>detailed help on the ASTER instrument and parameters during DAR formulation and submittal.</u>	
CC	S-CLS-13880	8272	B0	functional	incremental	test	unverified	96-1354A	The WKBCH CI shall provide instrument specific default settings for DAR instrument	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									configurable parameters.	
CT	S-CLS-13880								The WKBCH CI <u>DAR Tool</u> shall provide instrument specific default settings for the <u>ASTER</u> instrument configuration parameters.	
CC	S-CLS-14450	8295	B1	functional	incremental	test	unverified	97-0407A	The WKBCH CI shall provide the capability for users to construct a Data Processing Request, associated with a DAR.	
CT	S-CLS-14450								The WKBCH CI <u>DAR Tool</u> shall <u>submit a subscription at the request of the user as the result of a Data Acquisition Request that results in a data processing request being created to produce a higher level from the Level 1B data sent to ECS from the ASTER GDS.</u>	
CC	S-CLS-15990	8331	B0	interface	incremental	test	unverified	96-1354A	The WKBCH CI shall send DARs for ASTER observational sequences to the ASTER GDS.	
CT	S-CLS-15990								The WKBCH CI <u>DAR Tool</u> shall send DARs for the <u>ASTER instrument to the ASTER GDS according to</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification_status	ccr	Text	Clarification
									<u>the information in Table 1 of Appendix C in the ECS to ASTER GDS ICD.</u>	
CC	S-CLS-19104	13546	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall have the capability to receive DAR IDs (or xAR IDs in the case of ASTER queries) from the ASTER GDS (via CSS) and incorporate the IDs as parameters in their associated ASTER DARS.	
CT	S-CLS-19104								The WKBCH CI DAR <u>Tool</u> shall have the capability to receive <u>DARs</u> from the <u>ASTER GDS</u> and incorporate the parameters in new <u>ASTER DARs</u> .	
CC	S-CLS-19110	13548	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall validate DAR parameters' values to ensure conformance with ECS to ASTER GDS ICD and to ensure <u>DAR parameter values are within allowable ranges/settings (e.g., no invalid entry).</u>	
CT	S-CLS-19110								The WKBCH CI DAR <u>Tool</u> shall validate <u>that</u> DAR parameters are within the allowable format, range and	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									<u>settings (e.g., no invalid entry) based upon the ECS to ASTER GDS ICD for DAR submissions and modifications.</u>	
CC	S-CLS-19116	13549	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall provide a GUI interface with pick lists for all enumerated DAR data types.	
CT	S-CLS-19116								The WKBCH CI DAR <u>Tool</u> shall provide a <u>selection list for all DAR parameters having an enumerated set of values during DAR formulation.</u>	
CC	S-CLS-19118	13879	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall have the capability to receive DAR IDs from ASTER GDS on receipt of a valid DAR submission and attach the DAR ID to locally stored versions of the DAR configuration parameters.	
CT	S-CLS-19118								The WKBCH CI DAR <u>Tool</u> shall have the capability to receive DAR IDs from the ASTER GDS on receipt of a valid DAR submission and <u>store the DAR ID with the</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									DAR configuration parameters.	
CC	S-CLS-19124	13553	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall provide the capability for the user to interactively select the instrument mode, gain settings, and bands.	
CT	S-CLS-19124								The WKBCH CI DAR <u>Tool</u> shall provide the capability for the user to interactively select the instrument mode, gain settings, and bands.	
CC	S-CLS-19143	13891	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall accept user requests to modify existing DARs from the science user in the following ways: a) suspend an active DAR that has been submitted b) change the percent Cloud Cover in the increments specified by the DART c) reactivate the suspended DAR.	
CT	S-CLS-19143								The WKBCH CI DAR <u>Tool</u> shall accept user requests to modify existing DARs from the science user in the	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									following <u>sequence</u> : a) suspend an active DAR that has been submitted b) change the percent Cloud Cover in the increments specified by the <u>DAR Tool</u> c) reactivate a <u>suspended DAR</u> .	
CC	S-CLS-19174	13898	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall have the capability to copy DAR configuration parameters from local storage or from a query of the ASTER GDS xAR database and incorporate all parameters into a new set of DAR configuration parameters.	
CT	S-CLS-19174								The WKBCH CI <u>DAR Tool</u> shall have the capability to copy DAR configuration parameters from a <u>DAR</u> retrieved by a search of the ASTER GDS xAR database into a new set of DAR configuration parameters.	
CC	S-CLS-13830	13535	B1	functional	incremental	test	unverified	97-0982A	The WKBCH CI shall make ASTER data acquisition schedules and plans accessible to authorized users on request.	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification_status	ccr	Text	Clarification
CT	S-CLS-13830								The WKBCH CI DAR Tool shall have the capability to <u>display instrument and AM-1 spacecraft activities chronologically on a schedule timeline.</u>	
CC	S-CLS-14400	8290	B0	functional	incremental	test	unverified	96-1354A	Time related data for DARs shall be synchronized so that selection of a time range on a DAR timeline tool will be translated into date/time ranges in a DAR submission window.	
CT	S-CLS-14400								<u>The WKBCH CI DAR Tool shall update the DAR date/time fields after the following information has been selected via the timeline display:</u> <u>a. repeat interval</u> <u>b. acquisition window</u> <u>c. xAR lifetime</u>	
CC	S-CLS-14410	8291	B0	functional	incremental	test	unverified	96-1354A	Time related data for DARs shall be synchronized so that typing a date/time range in a DAR submission window will be graphically display as a blocked out time range on a	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									<u>DAR timeline window.</u>	
CT	S-CLS-14410								The WKBCH CI <u>DAR Tool</u> shall update the timeline display during <u>DAR formulation</u> when the user provides the following information: a. <u>repeat interval</u> b. <u>acquisition window</u> c. <u>xAR lifetime.</u>	
CC	S-CLS-14490	10224	B1	functional	incremental	test	unverified	97-0550A	The WKBCH CI shall synchronize time-related data for a Search Request so that a date/time range typed in a Search Request window will be graphically displayed as a blocked-out time range on a Search Request timeline window.	
CT	S-CLS-14490								The WKBCH CI <u>DAR Tool</u> shall synchronize time-related data for a <u>xAR</u> Search Request so that a date/time range typed in a Search Request window will be graphically displayed as a time range <u>in</u> a Search Request timeline window.	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification_status	ccr	Text	Clarification
CC	S-CLS-19103	13545	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall have the capability for users to specify single or multiple observations on the timing display DART temporal GUI.	
CT	S-CLS-19103								The WKBCH CI DAR <u>Tool</u> shall have the capability for users to specify single or multiple observation <u>times on</u> the DAR Tool temporal GUI.	
CC	S-CLS-19121	13551	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall provide the capability to set specific observation times in a manner that precludes the entry of the following temporal parameters: xAR Lifetime end date/time, acquisition window duration, and repeat interval duration.	
CT	S-CLS-19121								The WKBCH CI DAR <u>Tool</u> shall <u>enforce the entry of an acquisition window if a repeat interval is specified.</u>	
CC	S-CLS-19123	13552	B0	functional	incremental	demo	unverified	97-0982A	The WKBCH CI DART shall allow user control of the DART temporal GUI display timeline scale.	
CT	S-CLS-19123								The WKBCH CI DAR <u>Tool</u> shall <u>provide the capability for</u>	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									<p><u>users to change the following information which controls the timeline display:</u></p> <p>a. <u>the number of increments</u></p> <p>b. <u>the units of increments (years or months).</u></p>	
CC	S-CLS-19130	13883	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART shall provide user prompting and automatically supplied help messages that interact with ECS users.	
CT	S-CLS-19130								The WKBCH CI DAR Tool shall provide: <ol style="list-style-type: none"> 1. <u>context sensitive help</u> 2. <u>general help at a window level</u> 	
CC	S-CLS-19155	13895	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART help system shall provide ASTER-specific default settings for the three ASTER telescopes.	
CT	S-CLS-19155								The WKBCH CI DAR Tool help system shall provide ASTER-specific default settings for the three ASTER telescopes.	
CC	S-CLS-19156	13896	B1	functional	incremental	demo	unverified	97-1211A	The WKBCH CI DART help system shall provide ASTER-	

Level_4	Paragraph_id	object_id	release	req_type	req_status	verification_method	verification-status	ccr	Text	Clarification
									specific help messages that instruct authorized users how to change the instrument parameter settings for the three ASTER telescopes in their DARs.	
CT	S-CLS-19156								The WKBCH CI DAR <u>Tool</u> help system shall provide ASTER-specific help messages that instruct authorized users how to change the instrument parameter settings for the three ASTER telescopes in their DARs.	
CC	S-CLS-13850	8269	B1	functional	incremental	demo	unverified	97-0407A	The WKBCH CI shall provide users the capability to access the Guide during DAR formulation and submittal.	
CT	S-CLS-13850								The WKBCH CI <u>DAR Tool</u> shall provide <u>detailed help on the ASTER instrument and parameters</u> during DAR formulation and submittal.	
EOT										

Table 5: Add Link table

RELEASE_TO_L 4	PARAGRAPH_ID	PARAGRAPH_ID
LINK	<u>ASTER-0110#B</u>	<u>S-CLS-14400</u>
LINK	<u>ASTER-0110#B</u>	<u>S-CLS-14410</u>
LINK	<u>ASTER-0110#B</u>	<u>S-CLS-14490</u>
LINK	<u>ASTER-0110#B</u>	<u>S-CLS-19123</u>
LINK	<u>ASTER-0110#B</u>	<u>S-CLS-19141</u>
LINK	<u>ASTER-0110#B</u>	<u>S-CLS-19158</u>
LINK	<u>ASTER-0110#B</u>	<u>S-CLS-19296</u>
LINK	<u>ASTER-0120#B</u>	<u>S-CLS-18105</u>
LINK	<u>IMS-0080#B</u>	<u>S-CLS-19182</u>
LINK	<u>IMS-0100#B</u>	<u>S-CLS-19300</u>
LINK	<u>IMS-0110#B</u>	<u>S-CLS-19184</u>
LINK	<u>IMS-0120#B</u>	<u>S-CLS-19130</u>
LINK	<u>IMS-0120#B</u>	<u>S-CLS-19186</u>

RELEASE_TO_L	PARAGRAPH_ID	PARAGRAPH_ID
4		
LINK	<u>IMS-0120#B</u>	<u>S-CLS-19263</u>
LINK	<u>IMS-0120#B</u>	<u>S-CLS-19264</u>
LINK	<u>IMS-0120#B</u>	<u>S-CLS-19270</u>
LINK	<u>IMS-0130#B</u>	<u>S-CLS-19182</u>
LINK	<u>IMS-0150#B</u>	<u>S-CLS-19186</u>
LINK	<u>IMS-0280#B</u>	<u>S-CLS-19138</u>
LINK	<u>IMS-0320#B</u>	<u>S-CLS-18105</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-13830</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19135</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19138</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19194</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19196</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19198</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19201</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19202</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19204</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19206</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19208</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19210</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19212</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19214</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19216</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19218</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19220</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19222</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19224</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19226</u>

RELEASE_TO_L	PARAGRAPH_ID	PARAGRAPH_ID
4		
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19228</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19230</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19232</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19233</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19234</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19236</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19238</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19240</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19241</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19262</u>
LINK	<u>IMS-0510#B</u>	<u>S-CLS-19298</u>
LINK	<u>IMS-0580#B</u>	<u>S-CLS-19132</u>
LINK	<u>IMS-0580#B</u>	<u>S-CLS-19138</u>
LINK	<u>IMS-0580#B</u>	<u>S-CLS-19145</u>
LINK	<u>IMS-0580#B</u>	<u>S-CLS-19154</u>
LINK	<u>IMS-0580#B</u>	<u>S-CLS-19191</u>
LINK	<u>IMS-0580#B</u>	<u>S-CLS-19246</u>
LINK	<u>IMS-0626#B</u>	<u>S-CLS-19188</u>
LINK	<u>IMS-0640#B</u>	<u>S-CLS-14430</u>
LINK	<u>IMS-0640#B</u>	<u>S-CLS-19138</u>
LINK	<u>IMS-0640#B</u>	<u>S-CLS-19139</u>
LINK	<u>IMS-0640#B</u>	<u>S-CLS-19242</u>
LINK	<u>IMS-0640#B</u>	<u>S-CLS-19244</u>
LINK	<u>IMS-0665#B</u>	<u>S-CLS-19142</u>
LINK	<u>IMS-1070#B</u>	<u>S-CLS-19254</u>
LINK	<u>IMS-1071#B</u>	<u>S-CLS-19266</u>
LINK	<u>IMS-1072#B</u>	<u>S-CLS-19268</u>

RELEASE_TO_L	PARAGRAPH_ID	PARAGRAPH_ID
4		
LINK	<u>IMS-1075#B</u>	<u>S-CLS-12870</u>
LINK	<u>IMS-1075#B</u>	<u>S-CLS-19184</u>
LINK	<u>IMS-1090#B</u>	<u>S-CLS-14442</u>
LINK	<u>IMS-1100#B</u>	<u>S-CLS-19284</u>
LINK	<u>IMS-1100#B</u>	<u>S-CLS-19286</u>
LINK	<u>IMS-1100#B</u>	<u>S-CLS-19288</u>
LINK	<u>IMS-1100#B</u>	<u>S-CLS-19290</u>
LINK	<u>IMS-1100#B</u>	<u>S-CLS-19292</u>
LINK	<u>IMS-1100#B</u>	<u>S-CLS-19294</u>
LINK	<u>IMS-1140#B</u>	<u>S-CLS-19192</u>
LINK	<u>IMS-1140#B</u>	<u>S-CLS-13990</u>
LINK	<u>IMS-1140#B</u>	<u>S-CLS-19242</u>
LINK	<u>IMS-1140#B</u>	<u>S-CLS-19244</u>
LINK	<u>IMS-1140#B</u>	<u>S-CLS-19248</u>
LINK	<u>IMS-1140#B</u>	<u>S-CLS-19250</u>
LINK	<u>IMS-1140#B</u>	<u>S-CLS-19252</u>
LINK	<u>IMS-1160#B</u>	<u>S-CLS-19155</u>
LINK	<u>IMS-1170#B</u>	<u>S-CLS-13850</u>
LINK	<u>IMS-1170#B</u>	<u>S-CLS-19124</u>
LINK	<u>IMS-1180#B</u>	<u>S-CLS-19254</u>
LINK	<u>IMS-1180#B</u>	<u>S-CLS-19258</u>
LINK	<u>IMS-1190#B</u>	<u>S-CLS-19254</u>
LINK	<u>IMS-1190#B</u>	<u>S-CLS-19258</u>
LINK	<u>IMS-1195#B</u>	<u>S-CLS-19258</u>
LINK	<u>IMS-1230#B</u>	<u>S-CLS-13800</u>
LINK	<u>IMS-1230#B</u>	<u>S-CLS-18105</u>
LINK	<u>IMS-1240#B</u>	<u>S-CLS-13830</u>

RELEASE_TO_L	PARAGRAPH_ID	PARAGRAPH_ID
4		
LINK	<u>IMS-1261#B</u>	<u>S-CLS-13800</u>
LINK	<u>IMS-1261#B</u>	<u>S-CLS-19256</u>
LINK	<u>IMS-1261#B</u>	<u>S-CLS-19272</u>
LINK	<u>IMS-1261#B</u>	<u>S-CLS-19274</u>
LINK	<u>IMS-1261#B</u>	<u>S-CLS-19276</u>
LINK	<u>IMS-1261#B</u>	<u>S-CLS-19278</u>
LINK	<u>IMS-1261#B</u>	<u>S-CLS-19280</u>
LINK	<u>IMS-1261#B</u>	<u>S-CLS-19282</u>
LINK	<u>IMS-1262#B</u>	<u>S-CLS-19256</u>
LINK	<u>IMS-1320#B</u>	<u>S-CLS-19127</u>
LINK	<u>IMS-1320#B</u>	<u>S-CLS-19260</u>
EOT		

Table 6: Delete link table

RELEASE_TO_L 4	PARAGRAPH_ID	PARAGRAPH_ID
DELINK	ASTER-0100#B	S-CLS-19116
DELINK	ASTER-0100#B	S-CLS-19123
DELINK	ASTER-0110#B	S-CLS-19110
DELINK	ASTER-0110#B	S-CLS-19124
DELINK	ASTER-0120#B	S-CLS-19127
DELINK	ASTER-0120#B	S-CLS-19141
DELINK	ASTER-0120#B	S-CLS-19142
DELINK	ASTER-0120#B	S-CLS-19145
DELINK	ASTER-0120#B	S-CLS-19158
DELINK	ASTER-0120#B	S-CLS-19166
DELINK	ASTER-0140#B	S-CLS-15990
DELINK	EOSD1770#B	S-CLS-13940
DELINK	EOSD1770#B	S-CLS-15990
DELINK	IMS-0120#B	S-CLS-19110
DELINK	IMS-0120#B	S-CLS-19124
DELINK	IMS-0160#B	S-CLS-19130
DELINK	IMS-0510#B	S-CLS-14400
DELINK	IMS-0510#B	S-CLS-14410
DELINK	IMS-0510#B	S-CLS-14430
DELINK	IMS-0510#B	S-CLS-14490
DELINK	IMS-0580#B	S-CLS-13990
DELINK	IMS-0580#B	S-CLS-19119
DELINK	IMS-0640#B	S-CLS-13990
DELINK	IMS-1070#B	S-CLS-19110

RELEASE_TO_L 4	PARAGRAPH_ID	PARAGRAPH_ID
DELINK	IMS-1070#B	S-CLS-19123
DELINK	IMS-1070#B	S-CLS-19158
DELINK	IMS-1071#B	S-CLS-13800
DELINK	IMS-1071#B	S-CLS-14450
DELINK	IMS-1072#B	S-CLS-13800
DELINK	IMS-1072#B	S-CLS-19104
DELINK	IMS-1080#B	S-CLS-19121
DELINK	IMS-1090#B	S-CLS-19158
DELINK	IMS-1140#B	S-CLS-14400
DELINK	IMS-1140#B	S-CLS-14410
DELINK	IMS-1170#B	S-CLS-13870
DELINK	IMS-1170#B	S-CLS-19155
DELINK	IMS-1080#B	S-CLS-19103
DELINK	IMS-1230#B	S-CLS-19127
DELINK	IMS-1230#B	S-CLS-19141
DELINK	IMS-1230#B	S-CLS-19142
DELINK	IMS-1260#B	S-CLS-13940
DELINK	IMS-1261#B	S-CLS-19140
DELINK	IMS-1261#B	S-CLS-19142
DELINK	IMS-1260#B	S-CLS-15990
DELINK	IMS-1300#B	S-CLS-13940
EOT		

Table 7: L3 RBR Link

L3_TO_REL	PARAGRAPH_ID	PARAGRAPH_ID
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LINK	IMS-1075	IMS-1075#B
EOT		