

CMBS4-doc-469-v10: N-squared interface matrix								
WBS 1.04 Readout	WBS 1.05 Module Assembly & Testing	WBS 1.06 Large Aperture Telescopes	WBS 1.07 Small Aperture Telescopes	WBS 1.08 Data Acquisition & Control	WBS 1.09 Data Management	WBS 1.10 Chile Site Infrastructure/I&C	WBS1.11 South Pole Site Infrastructure/I&C	← L2 Elements ↓
<u>E</u> (339)	<u>M, E, T</u> (several)	X	X	X	X	X	X	WBS 1.03 Detectors
	<u>M, E, T</u> (321)	<u>M, E, T</u> (318)	<u>M, E, T</u> (354)	<u>E</u> (324)	X	<u>M, E, T</u> (718)	<u>M, E, T</u> (719)	WBS 1.04 Readout
(XXX) in cell indicates docdb number		<u>M, T, O</u> (345)	<u>M, T, O</u> (342)	X	X	<u>M, E</u> (721)	<u>M, E</u> (720)	WBS 1.05 Module Assembly & Testing
<b>Interface type key</b>			X	<u>M, E, T</u> (333)	X	<u>M, E, T</u> (336)	<u>M, E, T</u> (330)	WBS 1.06 Large Aperture Telescopes
M mechanical				<u>M, E</u> (351)	X	X	<u>M, E, T</u> (348)	WBS 1.07 Small Aperture Telescopes
E electrical, data, control, telem						<u>E</u> (327)	<u>M, E, T</u> (417)	WBS 1.08 Data Acquisition & Control
T thermal							<u>M, E, T</u> (426)	WBS 1.09 Data Management
O optical							X	WBS 1.10 Chile Site Infrastructure/I&C
<b>ICD maturity phase color coding</b>								
X								no interface exists, no ICD req'd
								doc drafted, general xface params named
								more specific naming of xface params & boundaries
								most scope, boundaries, responsibilities defined
Phase 1								scope, boundaries, responsibilities defined
Phase 2								design-driven refinements
Phase 3								ICD complete

Revision history

version	date	author	approved	notes
v1	6/29/20	RWB	--	Initial draft
v2	7/8/20	RWB	--	added hyperlinks
v3	7/30/20	RWB	--	added ICD maturity color coding
v4	4/9/21	RWB	--	update with realigned WBS
v5	4/30/2021	RWB	--	update reflecting posted drafts
v6	5/4/2021	RWB	--	add grayscale worksheet for presentations
v7	5/7/2021	RWB	--	add grayscale worksheet for presentations
v8	11/2/2021	RWB	--	update maturities
v9	11/4/2021	RWB	--	update maturities
v10	7/17/2023	RWB	--	update maturities

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<u>E</u> (339)	<u>M, E, T</u> (several)	X	X	X	X	X	X	WBS 1.03 Detectors
	<u>M, E, T</u> (321)	<u>M, E, T</u> (318)	<u>M, E, T</u> (354)	<u>E</u> (324)	X	<u>M, E, T</u> (718)	<u>M, E, T</u> (719)	WBS 1.04 Readout
		<u>M, T, O</u> (345)	<u>M, T, O</u> (342)	X	X	<u>M, E</u> (721)	<u>M, E</u> (720)	WBS 1.05 Module Assembly & Testing
			X	<u>M, E, T</u> (333)	X	<u>M, E, T</u> (336)	<u>M, E, T</u> (330)	WBS 1.06 Large Aperture Telescopes
				<u>M, E</u> (351)	X	X	<u>M, E, T</u> (348)	WBS 1.07 Small Aperture Telescopes
					<u>E</u> (327)	<u>M, E, T</u> (417)	<u>M, E, T</u> (423)	WBS 1.08 Data Acquisition & Control
						<u>M, E, T</u> (426)	<u>M, E, T</u> (432)	WBS 1.09 Data Management
							X	WBS 1.10 Chile Site Infrastructure/I&C

  

Interface type	
M	mechanical
E	electrical, data, control, telem
T	thermal
O	optical
(Number) in cell indicates docdb number	