

## SPIRE-ALC-COM-001466

---

**From:** Bernard.Collaudin@space.alcatel.fr  
**Sent:** 29 November 2002 15:01  
**To:** Pl's\_-\_Project\_managers@vzmta01.netfr.alcatel.fr  
**Cc:** gerald.crone@esa.int  
**Subject:** PDR documentation

For your information, and following requests from several of you, a complete listing of industry PDR documentation (excel file) has been added to livelink, with hyperlinks to the documentation available for you (also on livelink).

[http://astro.estec.esa.nl/llink/livelink/PDR\\_doc\\_list\\_complete\\_with\\_links\\_to\\_livelink.xls?func=doc.Fetch&nodeId=136210&docTitle=PDR+doc+list+complete+with+links+to+livelink%2Exls](http://astro.estec.esa.nl/llink/livelink/PDR_doc_list_complete_with_links_to_livelink.xls?func=doc.Fetch&nodeId=136210&docTitle=PDR+doc+list+complete+with+links+to+livelink%2Exls)

Bernard

Bernard COLLAUDIN - Alcatel Space Industries - V7Z-A22  
100, Bd du midi, BP 99 - 06156 Cannes la Bocca Cedex- France  
Tel:+(33)(0) 4 92 92 30 21 Fax: +(33)(0) 4 92 92 30 10 Mob: +(33)(0)6 18 42 78 35  
email: bernard.collaudin@space.alcatel.fr

ALCATEL SPACE

PDR DATAPACKAGE LIST

Level	Reference document	Title of document	Category	Prime panel	S Y S	A V I	M E C	C O R
		<a href="#">documents available in Livelink/Alcatel/Alcatel/common/Documents/PDR documents</a>	C = Core S = Support					
<b>System Requirements / Specifications (incl. Tree)</b>								
	H-P-1-ASPI-TE-0048	Documentation tree	S	SYSTEM	X			
	H-P-1-ASPI-SP-0030	Environment & Tests Requirements	C	SYSTEM	X			
	H-P-1-ASPI-SP-0027	General Design & Interface Requirements	C	SYSTEM	X			
	<a href="#">H-P-1-ASPI-SP-0037</a>	<a href="#">EMC Specification</a>	C	AVIONICS		X		
	H-P-1-ASPI-IS-0066	Application to use Ariane (Demande d'utilisation Ariane) DUA	C	SYSTEM	X			
	H-P-1-ASPI-SP-0046	Software design requirements specification	C	AVIONICS		X		
	<a href="#">H-P-1-ASPI-SP-0209</a>	<a href="#">System Operational and FDIR Requirements</a>	C	SYSTEM	X			
	<a href="#">H-P-1-ASPI-SP-0035</a>	<a href="#">Cleanliness Requirements Specification</a>	C	PA				
	H-P-1-ASPI-SP-0008	H-EPLM AIV & Herschel Satellite AIT Requirements Specification	C	AIV HP				
	H-P-1-ASPI-SP-0007	SVM AIV Requirements Specification	C	AIV HP				
	H-P-1-ASPI-TN-0164	AVM Requirement & Design	S	AIV HP				
	<a href="#">H-P-1-ASPI-SP-0045</a>	<a href="#">EGSE General Requirements Specification</a>	C	AIV HP				
	H-P-1-ASPI-SP-0044	MGSE General Requirements Specification	C	AIV HP				
	H-P-3-ASPI-SP-0133	Planck Transport Container Specification	C	AIV Planck				
	H-P-3-ASPI-SP-0150	Planck MGSE General Requirements Specification	C	AIV Planck				
	H-P-3-ASPI-SP-0142	SCC integration device specification	C	AIV Planck				
	H-P-3-ASPI-SP-0143	MGSE PLANCK Horizontal hoisting device specification	C	AIV Planck				
	H-P-3-ASPI-SP-0144	MGSE PLANCK Vertical hoisting device specification	C	AIV Planck				
	H-P-3-ASPI-TS-0051	Requirement Specification for the Planck Cryogenic Facility	C	AIV Planck				
	H-P-1-ASPI-SP-0018	PA requirements for subcontractors	C	PA HP				
	H-P-1-ASPI-SP-0029	Safety requirements for subcontractors	C	PA HP				
	H-P-1-ASPI-SP-0056	NCR/NRB instruction handbook	C	PA HP				
	H-P-1-ASPI-SP-0028	Waiver Deviation Request instruction handbook	C	PA HP				
	H-P-1-ASPI-LI-0278	Requests for Waiver/Deviation & RFD status list	C	PA HP				
	H-P-1-ASPI-LI-0279	Declared Material List (DML)	C	PA HP				
	H-P-1-ASPI-LI-0280	Declared Process List	C	PA HP				
	H-P-1-ASPI-LI-0300	Declared components list	C	PA HP				
	H-P-1-ASPI-LI-0212	Risk Analysis Critical Item List and Control Plan	C	PA HP				
	H-P-1-ASPI-LI-0284	Herschel & Planck CIDL	C	PA HP				
	H-P-1-ASPI-AN-0249	System FMECA	C	PA HP				
	H-P-3-ASPI-SP-0213	RAA Hoisting Device Specification	C	AIV PPLM	X			
	H-P-3-ASPI-SP-0234	MGSE Class 1000 Specification	C	AIV PPLM	X			
	H-P-3-ASPI-SP-0236	RAA Hoisting Gallows Specification	C	AIV PPLM	X			
	H-P-1-ASPI-MX-0337	Compliance Matrix to the SRS	C	SYSTEM	X			
	H-P-1-ASPI-MX-0338	Verification Matrix to the SRS	C	SYSTEM	X			
	H-P-1-ASPI-SP-0299	HP-DOORS Engineering Data Base	C	SYSTEM	X			
<b>Module Requirements / Specifications (incl. Tree)</b>								
	H-P-4-ASPI-SP-0019	SVM Requirements Specification	C	SYSTEM	X			
	H-P-4-ASPI-IS-0042	SVM I/F Specification	C	A,M,C		X	X	X
	H-P-2-ASPI-IS-0039	H-EPLM Interface Specification	C	A,M,C		X	X	X
	H-P-2-ASPI-SP-0250	H-EPLM Requirements Specification	C	SYSTEM	X			
	H-P-3-ASPI-IS-0070	P-PLM Interface and Applicability Specification	C	SYSTEM	X			
	H-P-LI-AI-0001	SVM Specification tree	C	SYSTEM	X			
	SCI-PT-RS-07422	Planck Telescope Primary Reflector, Secondary Reflector Specification (TBC)	C	Cryo/RF/Optics PPLM				X
	<a href="#">H-P-3-ASPI-SP-0004</a>	<a href="#">Planck telescope Specification</a>	C	Cryo/RF/Optics PPLM				X
	<a href="#">H-P-3-ASPI-SP-0274</a>	<a href="#">Telescope optical RF system specification</a>	C	Cryo/RF/Optics PPLM				X
	H-P-3-ASPI-SP-0021	Planck PLM cryo-structure Specification	C	Cryo/RF/Optics PPLM				X
	H-P-3-ASPI-SP-0203	Reflectors Dummies Specification	S	Cryo/RF/Optics PPLM				X
	HP-2-ASED-DT-0001	Specification Tree & Plan Tree	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-SP-0004	H-EPLM Environment & Tests Requirements Specification	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-SP-0005	Mathematical Model (FEM) Requirements H-EPLM	S	M			X	
	HP-2-ASED-SP-0008	CAD Model Requirements for Herschel EPLM	S	M			X	
	H-P-TN-AI-0033	Inputs to Engineering Data Base	S	AIV SVM				
	H-P-SP-AI-0019	PLM EGSE Requirement Specification	C	AIV SVM				
	H-P-SP-AI-0010	CCS Requirement Specification+C89	C	AIV SVM				
	H-P-SP-AI-0030	TM/TC DFE Requirement Specification	C	AIV SVM				
	H-P-SP-AI-0028	Power SCOE Requirement Specification	C	AIV SVM				
	H-P-SP-AI-0027	CDMU SCOE Requirement Specification	C	AIV SVM				
	H-P-SP-AI-0013	ACMS SCOE Requirement Specification	C	AIV SVM				
	H-P-SP-AI-0029	TT&C SCOE Requirement Specification	C	AIV SVM				
	H-P-3-ASPI-SP-0145	MGSE Planck PLM adapter specification	C	AIV PPLM				
	H-P-3-ASPI-SP-0146	MGSE Planck PLM vertical hoisting device specification	C	AIV PPLM				
	H-P-3-ASPI-SP-0148	MGSE Planck PLM access platform specification	C	AIV PPLM				
	H-P-3-ASPI-SP-0221	Planck RFDM CATR Test Requirements	C	AIV PPLM				X
	H-P-3-ASPI-SP-0289	RFQM Test requirements	C	AIV PPLM				X
	HP-2-ASED-SP-0009	Herschel MGSE Specification	C	AIV HPLM				

PDR DATAPACKAGE LIST

Level	Reference document	Title of document	Category	Prime panel	S Y S	A V I	M E C	C O R
		<a href="#">documents available in Livelink/Alcatel/Alcatel/common/Documents/PDR documents</a>	C = Core C = Support					
	HP-2-ASED-PS-0013	Procurement Specification for Herschel Cryo SCOE	C	AIV HPLM				
	HP-2-ASED-SP-0010	Herschel CVSE Specification for ISO Refurbished supplied by DOC Edwards	C	AIV HPLM				
	HP-2-ASED-SP-0012	Herschel CVSE Specification	C	AIV HPLM				
	H-P-RQ-AI-0001	PA Requirements for SVM Subcontractors	C	PA SVM				
	H-P-TN-AI-0001	PA compliance matrix	C	PA SVM				
	H-P-TN-AI-0010	Compliance matrix to ECSS Q80	C	PA SVM				
	H-P-LI-AI-0007	Requests for Deviation & RFD status list	C	PA SVM				
	H-P-LI-AI-0004	Declared components list	C	PA SVM				
	H-P-LI-AI-0008	Critical Item list & Critical Item Control Plan & ranking list of component control	C	PA SVM				
	H-P-LI-AI-0003	SVM CIDL	C	PA SVM				
	H-P-RP-AI-0022	Preliminary FMECA	C	PA SVM				
	H-P-RP-AI-0025	Status of subcontractors compliance status	C	PA SVM				
	H-P-3-ASPI-LI-0341	Harness, thermal control and AIT Declared Material List (DML)	C	PA PPLM				
	H-P-3-ASPI-LI-0342	Harness, thermal control and AIT Declared Process List	C	PA PPLM				
	H-P-2-ASED-SP-0002	PA Requirements for HPLM Subcontractors	C	PA HPLM				
	HP-2-ASED-LI-0007	Declared components list	C	PA HPLM				
	HP-2-ASED-LI-0008	Ranking list of Critical Item & Critical Item Control Plan	C	PA HPLM				
	HP-2-ASED-RP-0031	FMECA	C	PA HPLM				
	H-P-SP-AI-0033	Mechanical & Environmental Test Requirements	S	MECHANICAL & THERMAL			X	
	H-P-LI-AI-0005	SVM Declared Materials & Mechanical Parts List	C	PA SVM				
	H-P-LI-AI-0006	SVM Process List	C	PA SVM				
	H-P-TN-AI-0025	SVM subcontractors MAJOR non compliance vs PA requirements	C	PA SVM				
<b>Subsystem Requirements / Specifications (incl. Tree)</b>								
	<a href="#">SCI-PT-RS 04671</a>	<a href="#">Herschel telescope Specification</a>	C	Cryo/RF/Optics HPLM				X
	H-P-SP-AI-0011	ACMS Requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0001	SVM structure specification	C	MECHANICAL & THERMAL			X	
	H-P-SP-AI-0002	RCS Requirement specification	C	MECHANICAL & THERMAL			X	
	H-P-SP-AI-0007	TCS Requirement specification	C	MECHANICAL & THERMAL			X	
	HP-2-ASED-SP-0015	Helium Control Subsystem Design Specification	C	Cryo/RF/Optics HPLM				X
	H-P-SP-AI-0008	ACC Hardware requirement Specification	C	AVIONICS		X		
	H-P-SP-AI-0020	CDMU DFE Requirement Specification	C	AVIONICS		X		
	H-P-SP-AI-0031	CDMU Application Software Requirements Baseline	C	AVIONICS		X		
	H-P-SP-AI-0032	CDMU Simulator for ACMS tes-bed	C	AVIONICS		X		
<b>Equipment Requirements / Specifications (incl. Tree)</b>								
	H-P-1-ASPI-SP-0252	RF suitcase Requirements Specification	C	AVIONICS		X		
	H-P-1-ASPI-SP-0082	Herschel Planck System Data Base Specification	C	SYSTEM	X			
	H-P-1-ASPI-SP-0297	RF mock-up & Tests Requirements Specification	C	AVIONICS		X		
	HP-2-ASED-PS-0022	Cryostat Control Electronics 'CCU'	C	AVIONICS		X		
	HP-2-ASED-PS-0014	Procurement Specification for Sunshield / sunshade	C	MECHANICAL & THERMAL			X	
	H-P-SP-AI-0003	CDMU requirements Specification	C	AVIONICS		X		
	H-P-SP-AI-0005	CDMU/ASW requirements specification	C	AVIONICS		X		
	H-P-SP-AI-0006	CDMU/ BSW requirements specification	C	AVIONICS		X		
	H-P-SP-AI-0022	Batteries requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0023	RFDN requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0024	LGA requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0025	MGA Requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0012	TTC Transponder Requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0014	PCDU Requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0016	TWTA Requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0026	SVM Harness requirement specification	C	AVIONICS		X		
	H-P-SP-AI-0015	PLANCK SA Requirement specification	C	AVIONICS		X		
	H-P-1-ASPI-SP-0165	MTD General Requirements	S	MECHANICAL & THERMAL			X	
	H-P-1-ASPI-SP-0166	Herschel/Planck Instruments Warm Units MTD Requirements Specification	S	MECHANICAL & THERMAL			X	
	H-P-SP-AI-0018	Heat pipes Requirement specification	C	MECHANICAL & THERMAL			X	
	HP-RILAM-SPE-0001	Performance Specification for the Herschel/Planck Propellant tank	S	MECHANICAL & THERMAL			X	
	HP-RILAM-SPE-0002	RCS Reaction Control Thrusters Specification 1-N Thrusters	S	MECHANICAL & THERMAL			X	
	HP-RILAM-SPE-0003	RCS Reaction Control Thrusters Specification 10-20-N Thrusters	S	MECHANICAL & THERMAL			X	
	HP-2-ASED-PS-0003	Cryostat Vacuum Vessel 'CVV'	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0016	Tank Support and Spatial Frame Work	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0017	Tank Support Straps	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0015	Instrument Optical Bench	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0004	Helium II Tank HTT	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0006	PPS Component Specification	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0005	DLCM Component Specification	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0007	Level Probes He-II Tank	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0012	Level Probes He-I Tank	S	Cryo/RF/Optics HPLM				X

PDR DATAPACKAGE LIST

Level	Reference document	Title of document	Category	Prime panel	S Y S	A V I	M E C	C O R
		<a href="#">documents available in Livelihood/Alcatel/Alcatel/common/Documents/PDR documents</a>	C = Core S = Support					
	HP-2-ASED-PS-0010	Heater H501	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0023	Rupture Disc 'HSR'	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0009	He II Tank Filling Port 'HFP'	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0001	He Valve Component Specification	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0032	He System Tubing 'ST'	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0011	Procurement specification for Herschel HE-I Tank (HOT)	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0035	Thermal Shields	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0024	Cryostat Harness Procurement Spec	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0002	Forging for CVV/He-Tank	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0018	Cryostat Cover and Cavity Specification	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0020	SV 123 safety Valve	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PS-0021	SV 921/922 Safety Valve	S	Cryo/RF/Optics HPLM				X
	H-P-2-ASED-PS-0025	HIFI Waveguide Assembly	C	AVIONICS		X		
	H-P-2-ASED-PS-0031	EQM Auxiliary Tank	C	MECHANICAL & THERMAL			X	
	H-P-2-ASED-PS-0033	HIFI Optical Windows Assemblies	C	Cryo/RF/Optics HPLM				X
	H-P-2-ASED-PS-0027	Cold Unit Mass and Thermal Dummies	C	MECHANICAL & THERMAL			X	
	H-P-2-ASED-PS-0026	Procurement Specification for Herschel Support Structure (HSS, SVM Interface, Telescope)	C	PA HPLM				
	H-P-TN-AI-0030	Star Tracker Positioning trade-off	S	SYSTEM	X			
	HP-2-ASED-PS-0034	Procurement Specification for SVM Thermal Shield	C	MECHANICAL & THERMAL			X	
	H-P-1-ASPI-SP-0110	Ground Support Equipment Applicability Matrix of ECSS-E-40B	C	AIV	X			
	H-P-1-ASPI-TN-0231	System Data Base Guide	C	SYSTEM	X			
	H-P-1-ASPI-SW-0288	SOW ISV	C	SYSTEM	X	X		
	H-P-2-ASED-PS-0026	Procurement Specification for Herschel Support Structure (HSS, SVM Interface, Telescope)	C	Cryo/RF/Optics HPLM				X
	H-P-2-ASED-PS-0029	PS for HEPLM external MLI	C	Cryo/RF/Optics HPLM				X
	H-P-2-ASED-PS-0028	PS for HEPLM internal MLI	C	Cryo/RF/Optics HPLM				X
	H-P-4-DS-SP-0014	Reaction Wheel System Specification	C	AVIONICS				
<b>Plans (incl. Tree)</b>								
	H-P-2-ASED-LI-0010	Declared Materials and Mechanical Parts List	C	PA HP				
	H-P-2-ASED-LI-0009	Declared Processes List	C	PA HP				
	H-P-2-ASED-LI-0013	Configuration Drawing List	C	PA HP			X	
	<a href="#">H-P-1-ASPI-PL-0253</a>	<a href="#">Contamination control plan</a>	C	PA				
	<a href="#">H-P-1-ASPI-PL-0038</a>	<a href="#">EMC/ESD control plan</a>	C	AVIONICS		X		
	<a href="#">HP-2-ASED-PL-0013</a>	<a href="#">PLM EMC Control &amp; Verification Plan</a>	C	AVIONICS		X		
	<a href="#">H-P-2-ASPI-PL-0276</a>	<a href="#">Herschel System alignment plan</a>	C	SYSTEM	X			
	<a href="#">H-P-3-ASPI-PL-0078</a>	<a href="#">Planck alignment plan</a>	C	SYSTEM	X			
	H-P-3-CSAG-PL-0009	Development Plan High emissivity coating	C	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-PL-0011	Development Plan for Thermal conductance Requirements	S	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-PL-0012	Development Plan for Low emissivity coatings	S	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-PL-0013	Development Plan for mechanical Materials characterization	S	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-PL-0014	Development Plan for Mechanical Components	S	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-PL-0001	DDV Plan	S	Cryo/RF/Optics PPLM				X
	<a href="#">HP-2-ASED-TN-0002</a>	<a href="#">HPLM alignment concept</a>	C	Cryo/RF/Optics HPLM				X
	<a href="#">H-P-1-ASPI-PL-0009</a>	<a href="#">H &amp; P Design &amp; Development Plan</a>	C	AIV HP				
	H-P-1-ASPI-PL-0225	H & P Verification Program Plan	C	AIV HP				
	H-P-1-ASPI-LI-0119	General MGSE List & Deployment Plan	C	AIV HP				
	<a href="#">H-P-3-ASPI-PL-0208</a>	<a href="#">Planck AIT Plan</a>	C	AIV HP				
	H-P-1-ASPI-PL-0220	General EGSE Deployment Plan	C	AIV HP				
	H-P-PL-AI-0004	SVM AIT Plan	C	AIV SVM				
	H-P-PL-AI-0003	SVM Verification Control Plan	C	AIV SVM				
	H-P-PL-AI-0012	AIT S/W Management Plan	C	AIV SVM				
	H-P-PL-AI-0011	SVM Cleanliness and Contamination Control Plan	C	PA				
	<a href="#">H-P-3-ASPI-PL-0137</a>	<a href="#">Planck RF Verification Control for Planck Telescope</a>	C	Cryo/RF/Optics PPLM				X
	H-P-2-ASED-PL-0002	Verification Control Plan	C	AIV HPLM				
	HP-2-ASED-PL-0033	EPLM Verification Program Plan	C	AIV HPLM				
	<a href="#">H-P-2-ASED-PL-0022</a>	<a href="#">Herschel PLM/EQM AIT Plan</a>	C	AIV HPLM				
	<a href="#">H-P-2-ASED-PL-0021</a>	<a href="#">Instrument testing on PLM EQM level</a>	S	AIV HPLM				
	H-P-2-ASED-PL-0025	Herschel AIT Plan - Part 1 EPLM & S/C-STM Qualification Phase	C	AIV HPLM				
	<a href="#">H-P-2-ASED-PL-0026</a>	<a href="#">Herschel AIT Plan - Part 2 EPLM &amp; S/C-PFM Acceptance Phase</a>	C	AIV Herschel				
	H-P-1-ASPI-PA-0055	PA Plan	C	PA HP				
	H-P-PL-AI-0002	SVM PA Plan	C	PA SVM				
	H-P-PL-AI-0010	Audit plan	C	PA SVM				
	HP-2-ASED-PL-0007	H EPLM PA Plan	C	PA HPLM				
	HP-2-ASED-PL-0028	M/P Evaluation Plan	C	PA HPLM				
	HP-2-ASED-PL-0023	Contamination Control Plan	C	PA HPLM				
	H-P-2-ASED-PL-0032	Audit Program plan	C	PA HPLM				
	H-P-LI-AI-0009	Potential Fracture Critical Item List	S	PA SVM				
	H-P-PL-AI-0005	Fracture Control Plan	S	PA SVM				
	HP-2-ASED-LI-0012	Qualification Status List	S	PA HPLM				

PDR DATAPACKAGE LIST

Level	Reference document	Title of document	Category	Prime panel	S Y S	A V I	M E C	C O R
		<a href="#">documents available in Livelink/Alcatel/Alcatel/common/Documents/PDR documents</a>	C = Core C = Current					
	<a href="#">H-P-2-ASED-PL-0031</a>	<a href="#">Instrument Testing on PLM PFM and Satellite level</a>	C	AIV HPLM				
	H-P-2-ASED-PL-0024	Cryo-Components Qualification Program Plan	C	PA HPLM				X
	H-P-PL-AI-0009	SVM SW Design and Development Plan	C	SYSTEM	X			
	H-P-1-ASPI-PL-0332	Mass Reduction Plan	C	SYSTEM	X			
<b>Design descriptions / reports / drawings</b>								
	<a href="#">H-P-1-ASPI-RP-0312</a>	<a href="#">System Design Report</a>	C	SYSTEM	X			
	<a href="#">H-P-2-ASPI-TN-0199</a>	<a href="#">Herschel grounding diagram</a>	C	AVIONICS		X		
	<a href="#">HP-2-ASED-DW-0001</a>	<a href="#">Herschel PLM Grounding Scheme</a>	C	AVIONICS		X		
	<a href="#">H-P-3-ASPI-TN-0200</a>	<a href="#">Planck grounding diagram</a>	C	AVIONICS		X		
	<a href="#">H-P-1-ASPI-PL-0201</a>	<a href="#">H/P frequency plan</a>	C	AVIONICS		X		
	H-P-1-ASPI-AN-0074	Spacecraft functional Analysis	C	SYSTEM	X			
	H-P-2-ASPI-TE-0255	Herschel Family tree	S	SYSTEM	X			
	H-P-3-ASPI-TE-0256	Planck Family tree	S	SYSTEM	X			
	H-P-3-ASPI-PL-0192	Planck configuration and interface drawings file	C	SYSTEM	X			
	H-P-2-ASPI-PL-0191	Herschel configuration and interface drawings file	C	SYSTEM	X			
	<a href="#">H-P-RP-AI-0005</a>	<a href="#">SVM Design Report</a>	C	SYSTEM	X			
	H-P-TN-AI-0016	Electrical Performance Analyses Reports - Power Budget	C	AVIONICS		X		
	H-P-TN-AI-0018	Electrical Performance Analyses Reports - SVM TM/TC budget technical note	C	AVIONICS		X		
	H-P-TN-AI-0022	Electrical Performance Analyses Reports - CDMU - XPND Interfaces	C	AVIONICS		X		
	H-P-TN-AI-0032	Electrical Performance Analyses Reports - Voltage Drop Analysis	C	AVIONICS		X		
	H-P-DW-AI-0001	Avionic Drawings	C	AVIONICS		X		
	H-P-RP-AI-0026	Harness Detail design drawings/schematics	C	AVIONICS		X		
	H-P-TN-AI-0037	Radiation Environment Compatibility Assesment Report	C	AVIONICS		X		
	H-P-4-CASA-RP-0013	SVM structure design report	C	MECHANICAL & THERMAL			X	
	<a href="#">H-P-3-ASPI-RP-0313</a>	<a href="#">PPLM Design Report</a>	C	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-TR-0001	Materials Characterization Report	S	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-TR-0002	Thermal conductivity Test report	S	Cryo/RF/Optics PPLM				X
	H-P-3-CSAG-TR-0003	Selection of High Emissivity Coatings - Phase 1 report	S	Cryo/RF/Optics PPLM				X
	<a href="#">HP-2-ASED-RP-0003</a>	<a href="#">H-EPLM Design Description</a>	C	Cryo/RF/Optics HPLM				X
	<a href="#">HP-2-ASED-RP-0028</a>	<a href="#">EQM Design Description</a>	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-RP-0034	He Control System Description	C	Cryo/RF/Optics HPLM				X
	H-P-1-ASPI-LI-0058	Hardware Matrix	C	AIV HP				
	H-P-3-ASPI-TD-0054	Technical Description of RF test proposed in the Alcatel Compact Antenna Test Range	C	AIV HP				X
	H-P-RP-AI-0003	SVM Configuration Requirements	C	System	X	X	X	
	H-P-4-DS-TN-011	ACMS Design Report	C	System	X	X		
	H-P-4-TE-DD-2010	System Design Document SW	S	AVIONICS		X		
	H-P-4-TE-DD-2020	System Design Document HW	S	AVIONICS		X		
	H-P-4-TE-TS-2030	System Test Plan	S	AVIONICS		X		
	<a href="#">H-P-1-ASPI-RP-0314</a>	<a href="#">Cleanliness Team Report</a>	C	PA				
<b>Interfaces</b>								
	<a href="#">SCI-PT-IID-A-04624</a>	<a href="#">IID-A</a>	C	A,M,C,AIV,PA		X	X	X
	<a href="#">SCI-PT-IIDB/HIFI-02125</a>	<a href="#">IID-B HIFI</a>	C	A,M,C,AIV,PA		X	X	X
	<a href="#">SCI-PT-IIDB/SPIRE-02124</a>	<a href="#">IID-B SPIRE</a>	C	A,M,C,AIV,PA		X	X	X
	<a href="#">SCI-PT-IIDB/PACS-02126</a>	<a href="#">IID-B PACS</a>	C	A,M,C,AIV,PA		X	X	X
	<a href="#">SCI-PT-IIDB/HFI-04141</a>	<a href="#">IID-B HFI</a>	C	A,M,C,AIV,PA		X	X	X
	<a href="#">SCI-PT-IIDB/LFI-04142</a>	<a href="#">IID-B LFI</a>	C	A,M,C,AIV,PA		X	X	X
	H-P-3-ASPI-ID-0257	Planck MTICD	C	MECHANICAL & THERMAL				X
	H-P-2-ASPI-ID-0258	Herschel MTICD	C	MECHANICAL & THERMAL				X
	H-P-3-ASPI-ID-0259	Planck System Electrical Interface Control Document EICD	C	AVIONICS		X		
	H-P-2-ASPI-ID-0260	Herschel System Electrical Interface Control Document EICD	C	AVIONICS		X		
	H-P-IC-AI-0003	SVM Electrical ICD	C	AVIONICS		X		
	H-P-2-ASED-IC-0004	H-PLM Electrical ICD EQM	C	AVIONICS		X		
	H-P-2-ASED-IC-0001	H-PLM Electrical ICD PFM	C	AVIONICS		X		
	H-P-1-ASPI-ID-0196	ICD - System database software (OBSW)	C	AVIONICS		X		
	H-P-IC-AI-0004	Software ICD (include ASW/BSW ICD)	C	AVIONICS		X		
	H-P-TN-AI-0034	Inputs to the Launcher document	S	AVIONICS		X		
	H-P-IC-AI-0002	SVM Thermal ICD	C	MECHANICAL & THERMAL				X
	H-P-IC-AI-0001	SVM Mechanical ICD	C	MECHANICAL & THERMAL				X
	H-P-2-ASED-IC-0002	H-EPLM Mechanical ICD	C	MECHANICAL & THERMAL				X
	H-P-2-ASED-IC-0005	H-EPLM Mechanical ICD EQM	C	MECHANICAL & THERMAL				X
	H-P-3-ASPI-ID-0320	PPLM Instruments Interface Drawings	C	Cryo/RF/Optics PPLM				X
	<a href="#">H-P-1-ASPI-IS-0121</a>	<a href="#">EGSE Interfaces Requirements Specification</a>	C	AIV HP				
	H-P-1-ASPI-IS-0120	MGSE Interfaces Specification	C	AIV HP				
	H-P-3-ASPI-ID-0325	PPLM S/C Interface Drawings	C	Cryo/RF/Optics PPLM				X
	H-P-3-ASPI-MX-0352	P-PLM Instruments IDR/ICD Compliance Matrix	C	MECHANICAL & THERMAL				X

PDR DATAPACKAGE LIST

Level	Reference document	Title of document	Category	Prime panel	S Y S	A V I	M E C	C O R
		<a href="#">documents available in Livelihood/Alcatel/Alcatel/common/Documents/PDR documents</a>	C = Core S = Support					
<b>Operations</b>								
	<a href="#">H-P-1-ASPI-TD-0263</a>	<a href="#">Operation Concept</a>	C	SYSTEM	X			
	H-P-1-ASPI-SP-0141	Naming convention specification	S	SYSTEM	X			
	H-P-TN-AI-0038	Flight Dynamics Data Base Inputs	C	AVIONICS		X		
	H-P-MA-AI-0001	Module / Subsystem / equipment Users Manual	C	SYSTEM	X			
	H-P-1-ASPI-PL-0318	Operation Documentation Issue Plan	S	SYSTEM	X			
<b>Budgets</b>								
	H-P-1-ASPI-BT-0264	System Budget report	C	SYSTEM	X			
	H-P-BD-AI-0001	SVM budget report	C	A,M		X	X	
	HP-2-ASED-RP-0004	H-EPLM Budget Document	C	M,C			X	X
	H-P-3-ASPI-BT-0275	PPLM MCI budgets	C	Cryo/RF/Optics PPLM				X
	H-P-BD-AI-0003	SVM S/W budget report	C	A,M	X	X		
	H-P-1-ASPI-BT-0335	System PDR Herschel & Planck Pointing Budget	C	SYSTEM	X			
<b>Analyses &amp; technical notes</b>								
	H-P-3-ASPI-RP-0265	PDR Planck Mechanical Analysis Report	C	MECHANICAL & THERMAL			X	
	H-P-2-ASPI-RP-0317	PDR Herschel Mechanical Analysis Report	C	MECHANICAL & THERMAL			X	
	<a href="#">H-P-1-ASPI-RP-0266</a>	<a href="#">(System) Thermal analysis report</a>	C	MECHANICAL & THERMAL			X	
	H-P-1-ASPI-BT-0176	H & P pointing budget module allocation	C	SYSTEM	X			
	<a href="#">H-P-1-ASPI-AN-0202</a>	<a href="#">Herschel/Planck EMC analyses</a>	C	AVIONICS		X		
	H-P-1-ASPI-AN-0321	Radiation Shielding analysis of Herschel and Planck Satellites	C	SYSTEM	X			
	<a href="#">H-P-1-ASPI-AN-0268</a>	<a href="#">ESD analyses</a>	C	AVIONICS		X		
	H-P-1-ASPI-AN-0269	End of life Cleanliness Analysis	C	PA				
	H-P-1-ASPI-TN-0195	Inhibit/Separation Functions	C	SYSTEM	X			
	H-P-1-ASPI-TN-0154	DATA Flow	C	SYSTEM	X			
	H-P-1-ASPI-TN-0153	Time adjustment	C	SYSTEM	X			
	<a href="#">H-P-1-ASPI-TN-0204</a>	<a href="#">Instruments Data Rates Allocation</a>	C	SYSTEM	X			
	H-P-1-ASPI-TN-0131	Effect of Attitude Control on Herschel & Planck Operational Orbits	C	SYSTEM	X			
	H-P-2-ASPI-TN-0088	Calculation of Herschel solar forces and torques	C	SYSTEM	X			
	H-P-TN-AI-0015	SDE Definition	S	AVIONICS		X		
	<a href="#">H-P-TN-AI-0005</a>	<a href="#">SVM Thermal analyses report</a>	C	MECHANICAL & THERMAL			X	
	H-P-TN-AI-0019	SVM Acceleration LLF	C	MECHANICAL & THERMAL			X	
	H-P-RP-AI-0023	SVM Mechanical Performance Analyses Reports	C	MECHANICAL & THERMAL			X	
	H-P-TN-AI-0020	Heat pipes network Definition & interfaces	C	MECHANICAL & THERMAL			X	
	H-P-2-ASED-PL-0030	H-PLM Drawing Tree	S	MECHANICAL & THERMAL			X	
	HP-2-ASED-TN-0020	H-PLM Material Selection for Spatial Framework	S	MECHANICAL & THERMAL			X	
	H-P-3-ASPI-AN-0329	PPLM Mechanical & Thermo-elastic analysis	C	MECHANICAL & THERMAL			X	
	<a href="#">H-P-3-ASPI-AN-0330</a>	<a href="#">PPLM Thermal analyses</a>	C	Cryo/RF/Optics PPLM				X
	<a href="#">H-P-3-ASPI-AN-0324</a>	<a href="#">RFDM modeling &amp; analyses</a>	C	Cryo/RF/Optics PPLM				X
	HP-2-ASED-TN-0049	Structure Analysis	C	MECHANICAL & THERMAL			X	
	HP-2-ASED-TN-0053	Strength Analysis	C	MECHANICAL & THERMAL			X	
	HP-2-ASED-TN-0051	Dynamic Analysis	C	MECHANICAL & THERMAL			X	
	HP-2-ASED-TN-0046	HEPLM FE Model description/Thermal Distorsion Analysis	C	MECHANICAL & THERMAL			X	
	<a href="#">HP-2-ASED-AN-0001</a>	<a href="#">EMC Analysis (HPLM Internal RS test option)</a>	C	A		X		
	<a href="#">HP-2-ASED-RP-0011</a>	<a href="#">H-PLM Thermal model &amp; Analysis PFM</a>	C	Cryo/RF/Optics HPLM				X
	<a href="#">HP-2-ASED-TN-0041</a>	<a href="#">H-PLM Thermal model &amp; Analysis EQM</a>	C	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0023	Straylight Calculation Results	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0007	16 or 24 CVV/SVM Interface Struts Config T/O (PLM aspect)	S	MECHANICAL & THERMAL			X	
	HP-2-ASED-TN-0028	Impact Assessment of Design,Safety and Test Requirements on CVV & He tanks Mass	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0016	Estimate of Straylight Criticality of Holes in Instrument Shield +/- Y Sides	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0018	Herschel Payload Module -Cryostat Harness (PCH) layout and Routing Overview	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0021	Description & Verification Approach for Cryostat cover	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0027	Dimensioning of Heat Exchangers	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0010	Cryo-Harness Input to Thermal Analysis	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0017	HIFI LOU Interface Structure, Waveguides and Harness - Impact of LOU Design	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0019	NDI Methods Planned for H/W Inspections	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-TN-0026	DLCM Review	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-RP-0025	HSS Design Development	C	MECHANICAL & THERMAL			X	
	HP-2-ASED-TN-0025	H-EPLM FE Model Description	C	MECHANICAL & THERMAL			X	
	H-P-1-ASPI-TN-0047	Herschel STM Thermal Balance Trade-off	S	AIV HP				
	H-P-VC-AI-0001	Verification Control Document built with EDB as defined in §5.1.5	C	AIV SVM				
	H-P-1-ASPI-TN-0185	Planck Cryogenic & Thermal Test Program	C	AIV Planck				
	H-P-2-ASED-TN-0052	Cryo Operation on Launcher	C	AIV Herschel				
	H-P-2-ASED-TN-0036	Herschel TB/TV Test - T/O Qualification Phase	S	AIV Herschel				
	HP-2-ASED-TN-0024	Handling and Transportation during Qualification Test Phase	S	AIV Herschel				
	H-P-1-ASPI-AN-0283	Preliminary Safety Analysis	C	PA HP				

PDR DATAPACKAGE LIST

Level	Reference document	Title of document	Category	Prime panel	S Y S	A V I	M E C	C O R
		<a href="#">documents available in Livelink/Alcatel/Alcatel/common/Documents/PDR documents</a>	C = Core C = Support					
	H-P-1-ASPI-AN-0169	Availability analysis	C	PA HP				
	H-P-RP-AI-0017	SVM Safety Analysis	C	PA SVM				
	H-P-2-ASED-DP-0001	Herschel Safety Analysis DP	C	PA HPLM				
	H-P-TN-AI-0035	ACMS FDIR	S	AVIONICS		X		
	H-P-TN-AI-0031	C Guidelines	S	SYSTEM	X			
	H-P-TN-AI-0023	H-P SVM Normal Mode and Sine Response Analysis	S	MECHANICAL & THERMAL			X	
	H-P-1-ASPI-TN-0316	Mission Timeline Management	C	SYSTEM	X			
	H-P-2-ASED-TN-0057	Level 0 Cooling Links Thermal Analysis	C	SYSTEM	X			
	H-P-2-ASED-TN-0055	Trade-Off for the Herschel Cryo test Adapter	C	AIV Herschel				
	H-P-2-ASED-PR-0004	ISO QM Deintegration Procedure	S	AIV Herschel				
	H-P-2-ASED-PR-0005	ISO PLM/QM Inspection & Status Verification before Disassembly	S	AIV Herschel				
	H-P-2-ASED-TN-0056	Thermal Mechanical Model of HPLM Ventline on Optical Bench	C	MECHANICAL & THERMAL			X	
	H-P-2-ASED-TN-0012	Helium System Component Filling Port Pposition	C	MECHANICAL & THERMAL			X	
	H-P-2-ASED-TN-0034	Permeation through CVV Seals	S	PA HPLM				
	H-P-2-ASED-TN-0047	Low Temperature Seals	C	MECHANICAL & THERMAL			X	
	H-P-2-ASED-TN-0039	Selection of erschel Temperature Sensors	C	PA HPLM				
	H-P-2-ASED-TN-0048	Description of PLM FM Cryo Control Instrumentation	C	Cryo/RF/Optics HPLM				X
	H-P-2-ASED-TN-0015	Design and Development Approach for the Passive Phase Separator	C	AIV Herschel				
	H-P-2-ASED-TN-0013	Helium Control System Design	C	Cryo/RF/Optics HPLM				X
	H-P-1-ASPI-AN-0340	Radiation analysis Synthesis	C	PA HP				
	<a href="#">H-P-3-ASPI-AN-0323</a>	<a href="#">PPLM RF Analysis</a>	C	Cryo/RF/Optics PPLM				X
	<a href="#">H-P-3-ASPI-AN-0331</a>	<a href="#">PPLM Optical Analysis</a>	C	Cryo/RF/Optics PPLM				X
	H-P-1-ASPI-TN-0219	OBSW Documentation & Reviews	C	SYSTEM	X			
	H-P-1-ASPI-TN-0235	System Impact of the Increase of the Planck OSA	C	SYSTEM	X			
	H-P-1-ASPI-TN-0197	Cleanliness EOL Needs	C	SYSTEM	X			
	H-P-1-ASPI-TN-0132	Impact of Propellant Tank Temperatures on Wobble Angles	C	SYSTEM	X			
	H-P-2-ASPI-TN-0184	Impact of the Launcher Spin during the coast-arcon Herschel PLM	C	SYSTEM	X			
	H-P-1-ASPI-TN-0127	Quick load/dump Interfaces	C	SYSTEM	X			
	H-P-3-ASPI-TN-0181	Moon aspect angle in function of the Planck orbit size	C	SYSTEM	X			
	H-P-TN-AI-0028	H-P Vibro-acoustic Environmental and Test Level Definition		SYSTEM	X		X	
	H-P-1-ASPI-TN-0205	Maximum Moon & Earth crescents as seen from Herschel & Planck	C	SYSTEM	X			
<b>Project Control</b>								
	H-P-1-ASPI-SC-0327	Phase B Schedule	C	SYSTEM	X			
	H-P-1-ASPI-SC-0328	Phase C/D Schedule	C	SYSTEM	X			
	H-P-1-ASPI-PR-0295	Lower Level PDR's Procedure	C	SYSTEM	X			
	H-P-1-ASPI-LI-0107	H/P Document Status List	S	SYSTEM	X			
	H-P-1-ASPI-LI-0272	PDR Data Package List	S	SYSTEM	X			
	H-P-1-ASPI-TE-0012	Product tree	C	SYSTEM	X			
	HP-2-ASED-PL-0005	H-EPLM & Satellite AIT schedule	C	SYSTEM	X			
	HP-2-ASED-LI-0011	Project Documentation list	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-DP-0003	PDR DP List	S	Cryo/RF/Optics HPLM				X
	HP-2-ASED-PT-0001	Product tree	C	SYSTEM	X			
	H-P-1-ASPI-PL-0129	Configuration Management Plan	C	PA HP				
	H-P-RP-AI-0029	Herschel Planck SVM Schedule Control	C	SYSTEM	X			
	H-P-PL-AI-0001	SVM Configuration & Data Management Plan	C	PA SVM				
	H-P-2-ASED-CS-0001	H-EPLM Configuration Status List	C	PA HPLM				













