

Parameter	Wert
Project	DEMO
Phase	B
Phase	C
Phase	D

Abs	Titel	Ausgabe	geändert	Datum
1	General	NEIN		
a				
b				
c				
d				
1.1	Scope	NEIN		
a				
1.2	Objectives	NEIN		
a				
b		NEIN		
c				
1.3	Policy	NEIN		
a				
b				
c				
d				
1.4	Applicability	NEIN		
a				
1.4.1	Suppliers PA Compliance	NEIN		
a				
1.5	PA Programme Elements	NEIN		
a				
b				
c				
d				
e		NEIN		
f		NEIN		
g				
1.6	Documents	NEIN		
1.6.1	Applicable Documents	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
b				
c				
d				
e				
f				
g				
h				
i		NEIN		
j		NEIN		
k				
l				
m				
n				
o				
p				
q				
r				
s				
t				
u				
v				
w				
x				
y		NEIN		
z				
aa		NEIN		
ab		NEIN		
ac				
ad		NEIN		
ae				
af				
ag		NEIN		
ah		NEIN		
ai				
aj		NEIN		
ak				
al				
am				

Abs	Titel	Ausgabe	geändert	Datum
an				
ao				
ap				
aq				
ar				
as				
at				
au				
av				
aw				
ax				
ay				
az				
ba				
bb				
bc				
bd				
be				
bf				
bg				
bh				
bi				
bj				
bk				
bl				
bm				
bn				
bo				
bp				
bq		NEIN		
br		NEIN		
bs				
bt		NEIN		
bu				
bv				
bw				
bx		NEIN		
by				

Abs	Titel	Ausgabe	geändert	Datum
bz				
ca		NEIN		
cb				
cc		NEIN		
cd				
ce				
cf				
cg				
ch		NEIN		
ci		NEIN		
cj				
ck				
cl		NEIN		
cm		NEIN		
cn		NEIN		
co		NEIN		
cp				
cq		NEIN		
cr				
cs		NEIN		
ct		NEIN		
cu		NEIN		
cv		NEIN		
cw				
cx				
cy		NEIN		
cz				
da				
db				
dc				
dd				
de				
df		NEIN		
dg		NEIN		
dh		NEIN		
di				
dj		NEIN		
dk				

Abs	Titel	Ausgabe	geändert	Datum
dl				
dm		NEIN		
dn				
do		NEIN		
dp		NEIN		
dq		NEIN		
dr		NEIN		
ds		NEIN		
dt		NEIN		
du				
dv		NEIN		
dw				
dx				
dy				
dz		NEIN		
ea				
eb				
ec		NEIN		
ed				
ee				
ef				
eg		NEIN		
eh				
ei		NEIN		
ej				
ek		NEIN		
el		NEIN		
em		NEIN		
en		NEIN		
eo		NEIN		
ep		NEIN		
eq				
er				
1.6.2	Referenced Documents	NEIN		
a				
b				
c				
d				

Abs	Titel	Ausgabe	geändert	Datum
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				
o				
p				
q				
r				
s				
t		NEIN		
u				
v				
w				
x				
y				
z				
aa				
ab				
ac				
ad				
ae				
af				
ag				
ah				
ai				
aj				
ak				
al				
am				
an				
ao				
ap				

Abs	Titel	Ausgabe	geändert	Datum
aq				
ar				
as				
at		NEIN		
au		NEIN		
av		NEIN		
aw		NEIN		
ax		NEIN		
ay		NEIN		
az				
ba				
bb				
bc				
bd				
be		NEIN		
bf				
bg				
bh				
1.7	Abbreviations	NEIN		
a				
1.8	Definitions (Glossary of Terms)	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				
o				
p				

Abs	Titel	Ausgabe	geändert	Datum
q				
r				
s				
t				
u				
v				
w				
x				
y				
z				
aa				
ab				
ac				
ad				
ae				
af				
ag				
ah				
ai				
aj				
ak				
al				
am				
an				
ao				
ap				
aq				
ar				
as				
at				
au				
av				
aw				
ax				
ay				
az				
ba				
bb				

Abs	Titel	Ausgabe	geändert	Datum
bc				
bd				
be				
2	Product Assurance Management	NEIN		
2.1	PA Programme Planning	NEIN		
2.1.1	Product Assurance Organization and Responsibilities	NEIN		
2.1.1.1	Organization	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
e		NEIN	JA	20.03.2025
2.1.1.2	Responsibility and Authority	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
2.1.1.3	Resources	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
2.1.2	PA Management Interfaces	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
e		NEIN	JA	20.03.2025
2.1.3	PA Plan	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
2.2	PA Programme Implementation	NEIN		
2.2.1	Product Assurance Management	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
e		NEIN	JA	20.03.2025
f		NEIN	JA	20.03.2025
g		NEIN	JA	20.03.2025
h		NEIN	JA	20.03.2025
i		NEIN	JA	20.03.2025
j		NEIN	JA	20.03.2025
k		NEIN	JA	20.03.2025
l		NEIN	JA	20.03.2025
m		NEIN	JA	20.03.2025
n		NEIN	JA	20.03.2025
2.2.2	PA Reporting	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
2.2.3	Project PA Audits	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
e		NEIN	JA	20.03.2025
f		NEIN	JA	20.03.2025
g		NEIN	JA	20.03.2025
2.2.4	Critical Items Control and PA Interfaces to Project Risk Management	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
2.2.5	Documentation and Data Control	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
2.2.6	Quality Records	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN	JA	20.03.2025
2.2.7	Configuration Management	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
2.2.8	Nonconformance Control	NEIN		
a		NEIN	JA	20.03.2025
2.2.9	Management of Alerts	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN		
e		NEIN	JA	20.03.2025
2.2.9.1	Customer Notification of Product/Process Changes by Semiconductor Suppliers	NEIN		
a		NEIN		
2.3	Right of Access	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
2.4	PA Documentation	NEIN		
2.4.1	General	NEIN		
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
2.4.2	Deliverable Product Assurance and Safety Documentation	NEIN		
a		NEIN	JA	20.03.2025
2.5	Configuration Management	NEIN		
a		NEIN		
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
e		NEIN	JA	20.03.2025
f		NEIN	JA	20.03.2025
g		NEIN	JA	20.03.2025
2.6	Use of Previously Designed, Fabricated, or Flown	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Hardware/ Software			
a		NEIN	JA	20.03.2025
b		NEIN	JA	20.03.2025
c		NEIN	JA	20.03.2025
d		NEIN	JA	20.03.2025
e		NEIN	JA	20.03.2025
f		NEIN		
3	Quality Assurance	NEIN		
3.1	QA Management Principles	NEIN		
a				
3.2	General Policy and Principles	NEIN		
a				
b				
c				
d				
e				
3.3	Design and Verification Principles	NEIN		
a				
3.4	QA Management Requirements	NEIN		
3.4.1	Quality Assurance Plan	NEIN		
a				
3.4.2	Personnel Training and Certification	NEIN		
a		NEIN		
3.5	QA General Requirements	NEIN		
3.5.1	Nonconformance Control System	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				

Abs	Titel	Ausgabe	geändert	Datum
j				
k				
3.5.2	Management of Alerts	NEIN		
a				
3.5.3	Acceptance Authority Media	NEIN		
a		NEIN		
3.5.4	Traceability	NEIN		
a				
b				
c				
d				
3.5.4.1	Identification	NEIN		
a				
b				
3.5.5	Metrology and Calibration	NEIN		
a				
b				
c		NEIN		
d		NEIN		
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				
o				
p				
q				
3.5.6	Handling, Storage, Preservation	NEIN		
a				
3.5.6.1	Handling	NEIN		
a				
3.5.6.2	Preservation	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
3.5.7	Statistical Quality Control and Analysis	NEIN		
3.5.7.1	Sampling Plans	NEIN		
a		NEIN		
3.5.8	Request for Deviation/Waiver /Approval (RFD/RFW/RFA)	NEIN		
a				
b				
c				
d				
3.5.8.1	Request for Deviation (RFD)	NEIN		
a				
3.5.8.2	Request for Waiver (RFW)	NEIN		
a				
3.5.8.3	Request for Approval	NEIN		
a				
3.6	QA Requirements for Design and Verification	NEIN		
3.6.1	Design Rules	NEIN		
3.6.1.1	Producibility	NEIN		
a				
3.6.1.2	Repeatability	NEIN		
a				
3.6.1.3	Inspectability and Testability	NEIN		
a				
3.6.1.4	Operability	NEIN		
a				
3.6.1.5	Technical Interfaces	NEIN		
3.6.1.5.1	Using Space Station Programme	NEIN		
a		NEIN		
b		NEIN		
3.6.1.6	Using Expendable Launch Vehicle	NEIN		
a		NEIN		
3.6.1.7	Design Standards, Procedures and	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Specifications			
a				
b				
c				
d				
e				
f				
g				
3.6.2	Verification	NEIN		
a				
3.6.2.1	General	NEIN		
a				
3.6.2.2	Design Verification Analysis	NEIN		
a				
3.6.2.3	Design Reviews	NEIN		
a				
3.6.2.4	Qualification Process	NEIN		
3.6.2.4.1	Qualification	NEIN		
a				
b				
3.6.2.4.2	Qualification by Similarity	NEIN		
a				
3.6.2.4.3	Qualification Testing	NEIN		
a				
b				
c				
d				
e				
f				
3.6.2.4.4	Qualification Status	NEIN		
a				
3.6.2.4.5	Maintenance of Qualification	NEIN		
a				
b				
c				
3.6.2.5	Design Changes	NEIN		
a				
3.7	QA Requirements for	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Procurement			
3.7.1	Selection of Procurement Sources	NEIN		
3.7.1.1	General	NEIN		
a				
3.7.1.2	Selection Criteria	NEIN		
a				
b				
c				
3.7.1.3	Record and List of Procurement Sources	NEIN		
a				
3.7.2	Procurement Documents	NEIN		
a				
b				
c				
d				
3.7.3	Surveillance of Procurement Sources	NEIN		
a				
b		NEIN		
c				
d				
e				
f				
3.7.4	Receiving Inspection	NEIN		
3.7.4.1	General	NEIN		
a				
b				
3.7.4.2	Receiving Inspection Activities	NEIN		
a				
3.7.4.3	Customer Furnished Items	NEIN		
a				
3.7.4.4	Receiving Inspection Records	NEIN		
a				
3.8	QA Requirements for Manufacturing, Assembly	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	and Integration			
3.8.1	Planning of Manufacturing, Assembly and Integration Activities and Associated Documents	NEIN		
a				
3.8.2	Manufacturing Readiness Review	NEIN		
a				
b				
3.8.3	Control of Processes	NEIN		
3.8.3.1	General	NEIN		
a				
3.8.3.2	Special Processes	NEIN		
a				
3.8.3.3	Statistical Process Control	NEIN		
a		NEIN		
3.8.3.4	Workmanship Standards	NEIN		
a				
3.8.3.5	Materials and Parts Control	NEIN		
a				
3.8.3.6	Equipment Control	NEIN		
3.8.3.6.1	Tooling	NEIN		
a				
b		NEIN		
c				
d				
3.8.3.7	Equipment for Computer-Aided Manufacturing	NEIN		
a				
3.8.4	Cleanliness and Contamination Control	NEIN		
3.8.4.1	General	NEIN		
a				
b				
c				
3.8.4.2	Cleanliness Levels	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
3.8.4.3	Cleaning Materials and Methods	NEIN		
a				
3.8.4.4	Contamination Control	NEIN		
a				
b				
c				
d				
3.8.4.5	Cleanliness of Facilities	NEIN		
a				
3.8.5	Inspection	NEIN		
a				
b				
c				
d				
e				
3.8.6	Specific Requirements for Assembly and Integration	NEIN		
3.8.6.1	Control of Temporary Installations and Removals	NEIN		
a				
b				
3.8.6.2	Logbooks	NEIN		
a				
3.8.7	Manufacturing, Assembly and Integration Records	NEIN		
a				
3.8.8	Electrostatic Discharge Control (ESD)	NEIN		
a				
b				
3.9	QA Requirements for Testing	NEIN		
a				
3.9.1	Test Facilities	NEIN		
a				
b				
3.9.2	Test Equipment	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
3.9.3	Quality Assurance Requirements for Test Centres	NEIN		
3.9.3.1	General Requirements	NEIN		
a		NEIN		
3.9.4	Test Documentation	NEIN		
3.9.4.1	Test Procedures	NEIN		
a				
b				
3.9.4.2	Test Reports	NEIN		
a				
b				
3.9.5	Test Performance Monitoring	NEIN		
a				
b				
3.9.6	Test Reviews	NEIN		
a				
b				
c				
d				
e				
3.9.7	Acceptance Testing	NEIN		
a				
b				
c				
3.9.8	Übergabe/Übernahme-Testprogramm	NEIN		
a				
3.10	QA Requirements for Acceptance and Delivery	NEIN		
3.10.1	Acceptance and Delivery Process	NEIN		
a				
b				
3.10.2	End Item Data Package (EIDP)	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
c				
d				
e				
3.10.3	Delivery Review Board (DRB)	NEIN		
a				
3.10.4	Preparation for Delivery	NEIN		
3.10.4.1	Packaging	NEIN		
a				
3.10.4.2	Marking and Labelling	NEIN		
a				
b				
c				
3.10.5	Delivery	NEIN		
3.10.5.1	Shipping control	NEIN		
a				
3.10.5.2	Transportation	NEIN		
a				
b				
c				
3.10.5.3	Storage and Handling	NEIN		
a				
b				
4	Dependability (Reliability, Availability & Maintainability)	NEIN		
4.1	General	NEIN		
a				
b				
4.2	Organization	NEIN		
a				
4.3	Dependability Programme Plan	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
4.4	Dependability Risk Assessment and Control	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
b		NEIN		
c		NEIN		
4.5	Dependability Critical Items	NEIN		
a				
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g				
h		NEIN		
i				
j		NEIN		
k				
4.5.1	Dependability Critical Items List	NEIN		
a				
b				
c				
d				
e				
f		NEIN		
4.6	Design Reviews	NEIN		
a				
4.7	Dependability Engineering	NEIN		
a				
4.7.1	Integration of Dependability in the Project	NEIN		
a				
4.7.2	Dependability Requirements in Technical Specifications	NEIN		
a				
b				
c				
d				
e		NEIN		
f				

Abs	Titel	Ausgabe	geändert	Datum
g				
4.8	Dependability Design Criteria	NEIN		
4.8.1	General	NEIN		
a				
b				
c				
4.8.2	Consequences	NEIN		
a				
b				
c				
4.8.3	Failure Tolerance	NEIN		
a				
b				
c				
d				
4.8.4	Design Approach	NEIN		
a				
4.8.4.1	Failure containment and redundancy	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
4.8.4.2	Maintainability Considerations	NEIN		
a				
b				
c		NEIN		
4.8.4.3	Single Point Failures (SPF)	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
4.8.4.4	Use of Previously Designed, Fabricated or Flown Equipment	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
4.9	Classification of Critical Functions and Products	NEIN		
a				
4.10	Dependability Analyses	NEIN		
4.10.1	Identification and Classification of Undesirable Events	NEIN		
a				
4.10.2	Assessment of Failure Scenarios	NEIN		
a				
4.10.3	Dependability Analyses and the Project Life Cycle	NEIN		
a				
b				
c				
d				
4.10.4	Levels of Analyses	NEIN		
a				
b				
c				
d		NEIN		
e		NEIN		
f		NEIN		
g				
h				
i				
j				
k		NEIN		
l		NEIN		
m				
n				
o				
p		NEIN		
q				
r				
s				
t				

Abs	Titel	Ausgabe	geändert	Datum
u				
v				
w				
x		NEIN		
y				
z		NEIN		
aa				
4.11	Dependability Analyses - Methods	NEIN		
4.11.1	General	NEIN		
a				
b				
c		NEIN		
d		NEIN		
e		NEIN		
f				
g				
h				
i		NEIN		
j				
k				
l				
4.11.2	Dependability Analyses	NEIN		
a		NEIN		
4.11.2.1	Reliability Prediction	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
4.11.2.1.1	Reliability Apportionment / Allocation	NEIN		
a		NEIN		
b		NEIN		
4.11.2.1.2	Quantitative Reliability Requirements	NEIN		
a		NEIN		
4.11.2.1.3	Common Reliability Data Base	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
b		NEIN		
4.11.2.1.4	Reliability Prediction (Parts Count)	NEIN		
a		NEIN		
4.11.2.1.5	Reliability Prediction (Parts Stress)	NEIN		
a		NEIN		
4.11.2.1.6	Reliability Prediction Demonstration	NEIN		
a		NEIN		
4.11.2.2	Reliability Block Diagram	NEIN		
a		NEIN		
4.11.2.3	Functional Block Diagram	NEIN		
a		NEIN		
4.11.2.4	Functional Tree	NEIN		
a		NEIN		
4.11.2.5	Failure Modes, Effects Analysis (FMEA)/Failure Modes, Effects and Criticality Analysis (FMECA)	NEIN		
4.11.2.5.1	General	NEIN		
a				
b				
c				
d				
e				
4.11.2.5.2	Objectives	NEIN		
a				
b				
c				
d		NEIN		
e				
f				
g		NEIN		
h				
i				
j				

Abs	Titel	Ausgabe	geändert	Datum
k		NEIN		
l				
m		NEIN		
4.11.2.5.3	FMEA Requirements	NEIN		
a				
b				
c				
d				
e				
f				
g				
h		NEIN		
4.11.2.5.4	FMECA Requirements	NEIN		
a				
b				
c				
4.11.2.6	Hardware - Software Interaction Analysis (HSIA)	NEIN		
a		NEIN		
4.11.2.6.1	Purpose	NEIN		
a		NEIN		
4.11.2.6.2	Technical Requirements	NEIN		
a		NEIN		
4.11.2.7	Contingency Analysis	NEIN		
a		NEIN		
4.11.2.8	Fault Tree Analysis (FTA)	NEIN		
a				
b				
c				
4.11.2.9	Common-Cause Analysis	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
4.11.2.10	Worst Case Analysis (WCA)	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
4.11.2.11	Part Stress Analysis (Part Derating)	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
4.11.2.12	Zonal Analysis	NEIN		
a		NEIN		
4.11.2.13	Maintenance Concept	NEIN		
a		NEIN		
b				
c				
4.11.2.13.	Maintenance Design Criteria	NEIN		
1				
a				
b				
c				
d		NEIN		
4.11.2.13.	Tools Requirement	NEIN		
2				
a		NEIN		
b		NEIN		
4.11.2.13.	Maintenance Plan	NEIN		
3				
a		NEIN		
4.11.2.13.	Maintainability/Maintenance	NEIN		
4	Analyses			
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e				
f				
4.11.2.13.	Corrective Maintenance	NEIN		
5	Analysis			

Abs	Titel	Ausgabe	geändert	Datum
a				
4.11.2.13.	Spare Requirements Analysis	NEIN		
6				
a		NEIN		
4.11.2.13.	Maintainability Information	NEIN		
7	from FMEA/FMECA			
a				
4.11.2.14	Availability Analysis	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j		NEIN		
4.12	Reliability Testing and	NEIN		
	Demonstration			
a				
4.13	Maintainability	NEIN		
	Demonstration			
a		NEIN		
5	Safety	NEIN		
a				
b				
5.1	Policy	NEIN		
a				
5.2	Implementation	NEIN		
5.2.1	General	NEIN		
a				
5.2.2	Manned Environment	NEIN		
a				
5.3	Safety Programme	NEIN		
a				
5.3.1	Safety programme Plan	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
5.3.2	Conformance	NEIN		
a				
b		NEIN		
c		NEIN		
d		NEIN		
5.3.2.1	Payloads using Expendable Launch Vehicles (ELV): National Range Requirements	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
5.3.3	Safety Organization	NEIN		
5.3.3.1	Safety Manager	NEIN		
a				
b				
c				
5.3.3.2	Safety Approval Authority	NEIN		
a				
5.3.4	Safety Risk Assessment and Control	NEIN		
a				
5.3.5	Safety Critical Items	NEIN		
a				
5.3.6	Project Phases and Safety Review Cycle	NEIN		
a		NEIN		
b		NEIN		
5.3.6.1	Mission Analysis - Phase 0	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
5.3.6.2	Feasibility - Phase A	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
5.3.6.3	Preliminary Definition - Phase B	NEIN		
a				
b				
c				
d				
e				
5.3.6.4	Detailed Definition, Production, Qualification, Testing - Phase C/D	NEIN		
a				
b				
c				
d				
e				
5.3.6.5	Disposal - Phase F	NEIN		
a		NEIN		
b		NEIN		
5.3.7	Progress Meetings	NEIN		
a				
5.3.8	Safety Reviews	NEIN		
a		NEIN		
b		NEIN		
c				
d				
e		NEIN		
f		NEIN		
5.4	Safety Compliance Demonstration	NEIN		
a				
b				
c				
d				
e				
f				
g				
h		NEIN		
5.5	Safety Training	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
5.6	Accident/Incident Reporting and Investigation	NEIN		
a				
5.7	Safety Documentation	NEIN		
5.7.1	Safety Data Package (SDP)	NEIN		
a				
b		NEIN		
c				
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
5.7.2	Safety Deviations/Waivers /NCRs	NEIN		
5.7.2.1	Request for Deviation or Waivers	NEIN		
a				
5.7.2.2	Nonconformance	NEIN		
a		NEIN		
5.7.2.3	Acceptance by the Safety Approval Authority	NEIN		
a				
5.7.2.4	Review and Disposition	NEIN		
a				
5.7.2.5	Safety lessons learned	NEIN		
a		NEIN		
5.8	Safety Engineering	NEIN		
a				
b				
5.8.1	Safety Design Objectives	NEIN		
a				
5.8.2	Hazard Reduction Precedence	NEIN		
a				
5.8.2.1	Hazard Elimination	NEIN		
a				
5.8.2.2	Hazard Minimization	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
5.8.2.3	Hazard Control	NEIN		
a				
5.8.2.3.1	Design Selection - Failure Tolerance Design	NEIN		
a				
5.8.2.3.2	Design Selection - Design for Minimum Risk	NEIN		
a				
5.8.2.3.3	Automatic Safety Devices	NEIN		
a				
5.8.2.3.4	Warning Devices	NEIN		
a				
5.8.2.3.5	Special Procedures	NEIN		
a				
b				
c				
d		NEIN		
e		NEIN		
5.8.2.3.6	Safe without Services	NEIN		
a				
5.8.2.4	Environmental Compatibility	NEIN		
a				
5.8.2.5	External Services	NEIN		
a				
5.9	Safety Risk Reduction and Control	NEIN		
5.9.1	Severity of Hazardous Event and Function Criticality	NEIN		
a				
b				
c				
d				
5.9.2	Failure Tolerance Requirements	NEIN		
5.9.2.1	Basic Requirements	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
5.9.2.2	Redundancy Separation	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
5.9.2.3	Failure Propagation	NEIN		
a				
5.9.3	Design for Minimum Risk	NEIN		
a				
5.9.3.1	Safety Factors	NEIN		
a				
5.9.3.1.1	Safety Critical Structures	NEIN		
a		NEIN		
5.9.3.2	Fracture Control	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
5.9.3.3	Sealed Container	NEIN		
a		NEIN		
5.9.3.4	Materials	NEIN		
a		NEIN		
b				
5.9.3.4.1	Selection and Approval	NEIN		
a		NEIN		
5.9.3.4.2	Stress Corrosion	NEIN		
a				
5.9.3.4.3	Flammability	NEIN		
a		NEIN		
b		NEIN		
5.9.3.4.4	Materials Offgassing in Habitable Areas	NEIN		
a		NEIN		
5.9.3.4.5	Forbidden Materials	NEIN		
a		NEIN		
b		NEIN		
5.9.3.4.6	Fluid Compatibility	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
b		NEIN		
5.9.3.4.7	Volatile Organic Compound Approval	NEIN		
a		NEIN		
5.9.3.4.8	Moisture and Fungus Resistance	NEIN		
a		NEIN		
5.9.3.5	Batteries	NEIN		
a		NEIN		
5.9.3.6	Off-the-Shelf (OTS) Equipment	NEIN		
a		NEIN		
b		NEIN		
5.10	Identification and Control of Safety Critical Functions	NEIN		
5.10.1	Identification	NEIN		
a				
5.10.2	Inadvertent Operation	NEIN		
a				
5.10.3	Status Information	NEIN		
a				
5.10.4	Safe Shutdown and Failure Tolerance Requirements	NEIN		
a		NEIN		
5.10.5	Electronic, Electrical, Electromechanical Components	NEIN		
a				
b		NEIN		
5.10.6	Software Functions	NEIN		
5.10.6.1	Software Criticality	NEIN		
a				
b		NEIN		
5.10.6.2	Analysis of Safety-Critical Software	NEIN		
a				
5.10.6.3	Assignment of Software Criticality Category	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
b		NEIN		
5.11	Operational Safety	NEIN		
a		NEIN		
5.11.1	Touch Temperature	NEIN		
a		NEIN		
b		NEIN		
5.11.2	Shatterable materials	NEIN		
a		NEIN		
b		NEIN		
5.11.3	Rotating equipment	NEIN		
a		NEIN		
5.11.4	Pressure relief valves	NEIN		
a		NEIN		
5.11.5	Flight Operations and Mission Control	NEIN		
5.11.5.1	Launcher Operations	NEIN		
a				
5.11.5.2	Flight Rules	NEIN		
a		NEIN		
b		NEIN		
5.11.5.3	Hazardous Commanding Control	NEIN		
a		NEIN		
5.11.5.4	Mission Operation Change Control	NEIN		
a		NEIN		
5.11.6	Ground Operations	NEIN		
5.11.6.1	Applicability	NEIN		
a				
5.11.6.2	Initiation	NEIN		
a		NEIN		
5.11.6.3	Review and Inspection	NEIN		
a				
5.11.6.4	Inspection	NEIN		
a				
5.11.6.5	Hazardous Operations	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
5.11.6.6	Launch and Landing Site	NEIN		
a				
5.11.6.7	Launch site	NEIN		
a		NEIN		
5.11.6.8	Ground Support Equipment	NEIN		
a				
b				
5.12	Safety Analysis Requirements and Techniques	NEIN		
a				
b		NEIN		
c				
5.12.1	Assessment and Allocation of Requirements	NEIN		
5.12.1.1	Safety Requirements	NEIN		
a				
5.12.1.2	Additional Safety Requirements	NEIN		
a				
5.12.1.3	Define Safety Requirements - Functions	NEIN		
a				
5.12.1.4	Define Safety Requirements - Subsystems	NEIN		
a				
5.12.1.5	Justification	NEIN		
a				
5.12.1.6	Functional and Subsystem Specification	NEIN		
a				
5.13	Safety Analyses during the Project Life Cycle	NEIN		
a		NEIN		
b		NEIN		
5.14	Safety Analyses	NEIN		
5.14.1	Hazard Analysis	NEIN		
a				
5.14.2	Safety Risk Assessment	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
5.14.2.1	Reflown Hardware and Software Assessments	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
5.14.3	Supporting Assessment and Analysis	NEIN		
a				
5.14.3.1	Warning Time Analysis	NEIN		
a		NEIN		
5.14.3.2	Caution and Warning Analysis	NEIN		
a		NEIN		
5.14.3.3	Common-Cause and Common-Mode Failure Analysis	NEIN		
a				
b		NEIN		
5.14.3.4	Fault Tree Analysis (FTA)	NEIN		
a				
5.14.3.5	Human Error Analysis	NEIN		
a		NEIN		
5.14.3.6	Failure Modes, Effects and Criticality Analysis (FMECA)	NEIN		
a				
5.14.3.7	Zonal Analysis	NEIN		
a		NEIN		
5.14.3.8	Dependability Analysis	NEIN		
a				
5.15	Safety Verification	NEIN		
a				
5.15.1	Hazard Reporting and Review	NEIN		
5.15.1.1	Hazard Reporting System	NEIN		
a				
b		NEIN		
c		NEIN		
d				

Abs	Titel	Ausgabe	geändert	Datum
5.15.1.2	Biohazardous and Toxic Hazard Reporting	NEIN		
a		NEIN		
b		NEIN		
5.15.1.3	Safety Status Review	NEIN		
a				
b				
5.15.1.4	Documentation	NEIN		
a				
5.16	Safety Verification Methods	NEIN		
5.16.1	Verification Engineering and Planning	NEIN		
a				
b				
5.16.2	Methods and Reports	NEIN		
a				
5.16.3	Analysis	NEIN		
a				
5.16.4	Inspections	NEIN		
a				
5.16.4.1	Pre-flight Inspections	NEIN		
a				
b				
c		NEIN		
d		NEIN		
e				
5.16.4.2	Inflight Inspections	NEIN		
a		NEIN		
5.16.5	Verification and Approval	NEIN		
a				
5.17	Verification of Safety-Critical Functions	NEIN		
5.17.1	Validation	NEIN		
a				
5.17.2	Qualification	NEIN		
a				
5.17.3	Failure Tests	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
5.17.4	Safety Verification Testing	NEIN		
a				
5.18	Hazard Close-Out	NEIN		
a				
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f				
g		NEIN		
6	Electrical, Electronic and Electromechanical (EEE) Components	NEIN		
6.1	Components Programme Management	NEIN		
6.1.1	General	NEIN		
a				
6.1.2	Components Control Programme	NEIN		
a				
6.1.2.1	Organization	NEIN		
a				
6.1.2.2	Component Control Plan (CCP)	NEIN		
a				
b				
c				
6.1.3	Parts Control Board (PCB)	NEIN		
a				
b				
c				
6.1.4	Declared Components List (DCL)	NEIN		
a				
b				
c				
d				
e				

Abs	Titel	Ausgabe	geändert	Datum
f				
g		NEIN		
h		NEIN		
6.1.5	Electrical and Mechanical GSE	NEIN		
a				
6.2	Component Selection, Evaluation and Approval	NEIN		
6.2.1	General	NEIN		
a				
b				
6.2.2	Manufacturer and Component Selection	NEIN		
6.2.2.1	General Rules	NEIN		
a				
b				
c				
d				
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
6.2.2.2	Parts and Material Restriction	NEIN		
a		NEIN		
b				
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g				
h		NEIN		
i				
j		NEIN		
k		NEIN		
l		NEIN		
m		NEIN		
n		NEIN		
o		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
6.2.2.3	Preferred Sources	NEIN		
a				
b				
c				
d				
e				
6.2.2.4	Component Qualification	NEIN		
a				
b				
c				
d				
6.2.2.5	Qualification Approach	NEIN		
a				
b				
c				
d				
6.2.2.6	Radiation Hardness Requirements	NEIN		
6.2.2.6.1	General	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
6.2.2.6.2	Total Dose Hardening	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
6.2.2.6.3	Circuit Hardening	NEIN		
a		NEIN		
6.2.2.6.4	Single Event Effect (SEE) Hardening	NEIN		
a		NEIN		
6.2.2.6.5	Radiation Verification Testing (RVT)	NEIN		
a				
b				
6.2.2.6.6	Radiation Hardness Control	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
6.2.2.7	Derating	NEIN		
a				
b		NEIN		
6.2.2.7.1	Temperature Range - Commercial Components	NEIN		
a				
b				
c				
6.2.2.8	Critical Components	NEIN		
a				
b				
c				
d				
6.2.3	Component evaluation	NEIN		
6.2.3.1	General	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
j		NEIN		
k		NEIN		
l		NEIN		
m		NEIN		
n		NEIN		
6.2.3.2	Manufacturer Assessment	NEIN		
a		NEIN		
6.2.3.3	Constructional Analysis	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
6.2.3.4	Evaluation Testing	NEIN		
a				
b				
6.2.3.5	Evaluation and Lot Acceptance for Retinned Components	NEIN		
a		NEIN		
6.2.4	Parts Approval	NEIN		
a				
6.3	Component Procurement	NEIN		
6.3.1	General	NEIN		
a				
b				
c				
d				
e		NEIN		
f		NEIN		
6.3.2	Quality Levels	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g				
h				
i				
6.3.2.1	Quality Level	NEIN		
a				
6.3.2.1.1	Quality Levels for Class 1 Components	NEIN		
a		NEIN		
6.3.2.1.2	Quality Levels for Class 2 Components	NEIN		
a		NEIN		
6.3.2.1.3	Quality Levels for Class 3 Components	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
6.3.2.2	Commercial Components Quality	NEIN		
a				
b				
c		NEIN		
6.3.3	Procurement Specification	NEIN		
6.3.3.1	General	NEIN		
a				
b				
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g				
6.3.3.2	Procurement Documents for Commercial Parts	NEIN		
a		NEIN		
6.3.4	Screening Requirements	NEIN		
a		NEIN		
b		NEIN		
c				
d		NEIN		
e				
f				
g		NEIN		
h		NEIN		
i				
j				
k				
6.3.5	Initial Customer Source Inspection (precap)	NEIN		
a		NEIN		
b				
c		NEIN		
6.3.6	Lot Acceptance	NEIN		
6.3.6.1	Class-1, 2, 3 Lot Acceptance	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
c		NEIN		
d				
e		NEIN		
6.3.6.2	Class-1, 2, 3 Commercial Components Lot Acceptance	NEIN		
a		NEIN		
b				
c		NEIN		
6.3.7	Final Customer Source Inspection (buy-off)	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
6.3.8	Parts Shipment from Manufacturer to Purchaser	NEIN		
a				
6.3.9	Incoming Inspection	NEIN		
a				
b				
c				
d		NEIN		
e				
f		NEIN		
6.3.10	Radiation Verification Testing	NEIN		
a		NEIN		
6.3.11	Destructive Physical Analysis (DPA)	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
j				
6.3.12	Infant Mortality	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
6.3.13	Storage and Handling	NEIN		
a				
b				
6.3.13.1	Storage Area and Storage Zone	NEIN		
a				
b				
6.3.13.2	Storage Conditions	NEIN		
a				
b		NEIN		
6.3.13.3	Cleanliness	NEIN		
a				
6.3.13.4	ESD Protection	NEIN		
a				
6.3.13.5	Processing for Storage and use of PEMs	NEIN		
a				
b				
6.3.13.6	Packing, Packaging, Handling	NEIN		
a				
6.3.14	Stock Components	NEIN		
a				
b				
c				
d				
e				
6.3.15	Relifing	NEIN		
a				
b				
c				
d		NEIN		
e				
f				
g		NEIN		
6.3.16	Identification of Long-Lead Items (LLI) / Critical Items	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
6.3.17	Manufacturer's data documentation deliveries	NEIN		
a				
6.3.18	Handling and Storage	NEIN		
a				
6.4	Nonconformances or Failures	NEIN		
a				
b				
c				
d				
6.5	Traceability	NEIN		
a				
b				
c		NEIN		
d		NEIN		
6.6	Specific Components	NEIN		
6.6.1	Hybrid Microcircuits	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
6.6.2	Connectors	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
6.6.3	ASICs	NEIN		
a		NEIN		
6.6.4	One-Time Programmable Devices	NEIN		
a		NEIN		
6.6.5	Microwave Monolithic Integrated Circuits	NEIN		
a		NEIN		
6.6.6	Area Grid Array Packages	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
j		NEIN		
k		NEIN		
l		NEIN		
m		NEIN		
6.6.7	New Technology Components	NEIN		
a		NEIN		
b		NEIN		
6.7	Other Documentation	NEIN		
a		NEIN		
6.8	Pure Tin Lead Finish - Risk Analysis	NEIN		
a		NEIN		
b		NEIN		
7	Materials, Mechanical Parts and Processes	NEIN		
7.1	Scope	NEIN		
a				
7.2	Policy and Principles	NEIN		
a				
7.3	Materials, Mechanical Parts and Processes (MMPP) Programme	NEIN		
a				
b				
c				
d				
e				
7.4	Management and Consolidation of the Activities	NEIN		
7.4.1	Establishing and Processing of Lists	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
c				
d				
7.4.2	Management of the Lists	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
7.4.3	Technical Constraints	NEIN		
a				
b				
c				
7.4.3.1	Payloads using RLV or ISS	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
7.4.4	Cleanliness and Contamination Control	NEIN		
a				
b				
c				
7.5	Materials Control	NEIN		
7.5.1	Technical Criteria for Selection of Materials	NEIN		
7.5.1.1	General	NEIN		
a				
b				
c				
7.5.1.2	Temperature	NEIN		
a				
7.5.1.3	Thermal Cycling and Thermo	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Optical			
a				
7.5.1.4	Vacuum	NEIN		
a		NEIN		
b		NEIN		
7.5.1.5	Offgassing and Toxicity	NEIN		
a				
b				
7.5.1.6	Flammability	NEIN		
a		NEIN		
7.5.1.7	Radiation	NEIN		
a		NEIN		
7.5.1.8	Electrical Charge and Discharge	NEIN		
a				
7.5.1.9	Corrosion	NEIN		
a				
7.5.1.10	Stress-Corrosion	NEIN		
a				
7.5.1.11	Fluid Compatibility	NEIN		
a				
b				
c				
7.5.1.12	Galvanic Compatibility	NEIN		
a				
b				
7.5.1.13	Atomic Oxygen (ATOX)	NEIN		
a		NEIN		
7.5.1.14	Micrometeoroids and Debris	NEIN		
a		NEIN		
7.5.1.15	Moisture Absorption and Desorption	NEIN		
a				
7.5.1.16	Mechanical Contact Surface Effects: Cold Welding, Fretting, Wear	NEIN		
a				
7.5.1.17	Life	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
7.5.1.18	Bacterial and Fungus Growth	NEIN		
a				
b				
c				
7.5.1.19	Hydrogen Embrittlement	NEIN		
a				
7.5.2	Fracture Control Requirements	NEIN		
a		NEIN		
b				
7.5.3	Selection and General	NEIN		
a		NEIN		
b				
c				
d				
e				
7.5.3.1	Constraints	NEIN		
a				
7.5.3.2	Materials Control for Reflowed Hardware	NEIN		
a				
7.5.4	Declared Material List (DML)	NEIN		
a				
b		NEIN		
7.5.5	Criticality Analysis	NEIN		
a				
b				
c				
d				
e		NEIN		
f		NEIN		
7.5.6	Evaluation and Validation Phases	NEIN		
a				
b				
7.5.6.1	Evaluation Phase	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
b		NEIN		
7.5.6.2	Validation Phase	NEIN		
a				
7.5.6.3	Approval Phase	NEIN		
a				
7.5.6.4	Deviation Request	NEIN		
a				
7.5.7	Procurement of Materials	NEIN		
7.5.7.1	Procurement Specifications	NEIN		
a				
7.5.7.2	Incoming Inspection Procedure	NEIN		
a				
7.5.8	Use of Materials	NEIN		
7.5.8.1	Validation Status of Materials	NEIN		
a				
7.5.8.2	Traceability of Materials	NEIN		
a				
b		NEIN		
7.5.8.3	Packaging, Storage, Removal from Storage	NEIN		
a				
7.5.8.4	Limited-life Materials before Implementation	NEIN		
a				
b				
7.5.8.5	Limited-life Materials after Implementation	NEIN		
a				
7.6	Mechanical Parts Control	NEIN		
7.6.1	Selection of Mechanical Parts	NEIN		
a				
7.6.2	Selection	NEIN		
a				
7.6.3	Declared Mechanical Parts List (DMPL)	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
7.6.4	Criticality Analysis	NEIN		
7.6.4.1	Overview	NEIN		
a				
7.6.4.2	Requirements	NEIN		
a				
b				
c				
d		NEIN		
7.6.5	Evaluation and Qualification Phases	NEIN		
a				
b				
7.6.5.1	Evaluation Phase	NEIN		
a				
b				
7.6.5.2	Qualification Phase	NEIN		
a				
7.6.5.3	Approval Phase	NEIN		
a				
7.6.5.4	Deviation Request	NEIN		
a				
7.6.6	Procurement of Mechanical Parts	NEIN		
7.6.6.1	General	NEIN		
a				
b				
7.6.6.2	Procurement Specification	NEIN		
a				
7.6.6.3	Source inspection	NEIN		
a				
b				
7.6.6.4	Incoming Inspection Procedure	NEIN		
a				
7.6.7	Use of Mechanical Parts	NEIN		
7.6.7.1	Qualification Status of Mechanical Parts	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
7.6.7.2	Traceability of Mechanical Parts	NEIN		
a				
b				
7.6.7.3	Packaging, Storage, Removal from Storage	NEIN		
a				
b				
7.6.7.4	Limited-Life Mechanical Parts or Parts Subject to Wear Out	NEIN		
a				
7.7	Process Control	NEIN		
7.7.1	Specifications or Procedures	NEIN		
a				
7.7.2	Process Selection and Training	NEIN		
a				
b				
7.7.3	Declared Processes List (DPL)	NEIN		
a				
7.7.4	Criticality Analysis	NEIN		
7.7.4.1	Overview	NEIN		
a				
7.7.4.2	Requirements	NEIN		
a				
b				
c				
d		NEIN		
e				
7.7.5	Evaluation and Verification Phase	NEIN		
7.7.5.1	General	NEIN		
a				
7.7.5.2	Evaluation Phase	NEIN		
a				
b				
7.7.5.3	Verification Phase	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
7.7.5.4	Approval Phase	NEIN		
a				
7.7.5.5	Deviation Request	NEIN		
a				
7.7.6	Use of a Process	NEIN		
7.7.6.1	Verification Status of a Process	NEIN		
a				
7.7.6.2	Re-verification of a Process	NEIN		
a				
7.7.6.3	Implementation of a Process	NEIN		
a				
b				
7.7.6.4	Standard Processes for Electronic Equipment	NEIN		
a				
b				
c				
d				
e				
f				
7.7.6.5	Standard Processes for Additive Manufacturing & 3D Printing	NEIN		
a				
b				
c				
d				
e				
7.7.6.6	Traceability of Processes	NEIN		
a				
8	Software Product Assurance (SW PA)	NEIN		
a				
8.1	Objective	NEIN		
a				
8.2	Tailoring	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
8.3	Policy and Principles	NEIN		
a				
b				
8.4	Software Product Assurance Programme Management	NEIN		
8.4.1	Organization	NEIN		
a				
b				
c				
8.4.2	Software Product Assurance Planning and Control	NEIN		
a				
b				
8.4.3	Software Product Assurance Reporting	NEIN		
a				
b				
8.4.4	Software Problems	NEIN		
a				
b				
c				
8.4.5	Nonconformances	NEIN		
a				
b				
c				
d				
8.4.6	Quality Requirements and Quality Models	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
8.5	Risk Management and Critical Item Control	NEIN		
a				
b				
8.6	Software Process Assurance	NEIN		
8.6.1	Software Development Life	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Cycle			
a				
8.6.1.1	Life Cycle Definition	NEIN		
a				
b				
8.6.1.2	Life Cycle Definition Review	NEIN		
a				
8.6.1.3	Software Validation Process Schedule	NEIN		
a				
8.6.2	Requirements Applicable to all Software Engineering Processes	NEIN		
8.6.2.1	Documentation of Processes	NEIN		
a				
b				
c				
d				
e				
f				
g		NEIN		
8.6.2.2	Software Dependability and Safety	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				
8.6.3	Handling of Critical Software	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
c				
d				
e				
f				
8.6.4	Software Configuration Management	NEIN		
a				
b				
8.6.5	Process Metrics	NEIN		
a				
b				
c				
d				
e				
8.6.6	Verification	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
8.6.7	Reuse of Existing Software	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
8.6.8	Automatic Code Generation	NEIN		
a				
b				
c				
d				
8.7	Requirements Applicable to Individual Software Engineering Processes or Activities	NEIN		
8.7.1	Software Requirements Analysis	NEIN		
a				
b				
c				
8.7.1.1	Hardware/Software Interaction Analysis (HSIA)	NEIN		
a				
8.7.2	Software Architectural Design and Design of Software Items	NEIN		
a				
b				
c				
d				
e				
f				
g				
8.7.3	Coding	NEIN		
a				
b				
c				
d				
e				
f				
g				
8.7.4	Testing and Validation	NEIN		
a				
b		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
c				
d				
e		NEIN		
f				
g				
h				
i				
j				
k				
l		NEIN		
m				
n				
o				
p				
q				
r				
s				
t		NEIN		
u				
v				
w				
x				
y				
z				
aa				
8.7.5	Verification of Code Robustness	NEIN		
a				
8.7.6	Software Delivery and Acceptance	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				

Abs	Titel	Ausgabe	geändert	Datum
i				
j				
8.8	Software Product Quality Assurance	NEIN		
8.8.1	Product Quality Objectives and Metrication	NEIN		
8.8.1.1	Product Metrics	NEIN		
a				
8.8.1.2	Basic Metrics	NEIN		
a				
8.8.1.3	Reporting of Metrics	NEIN		
a				
8.8.2	Test and Validation Documentation	NEIN		
a				
b				
c				
d				
e				
f				
8.8.3	Development and Documentation of the Software User Manual (SUM)	NEIN		
a				
8.9	Software Intended for Reuse	NEIN		
8.9.1	Requirements for Intended Reuse	NEIN		
a				
8.9.2	Configuration Management for Intended Reuse	NEIN		
a				
8.10	Firmware	NEIN		
a				
b				
c				
8.11	Commercial Software	NEIN		
a				
8.12	Free and Open Source Software (FOSS)	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
8.13	Safety	NEIN		
a				
b				
8.14	Agile SW-QA	NEIN		
8.14.1	General	NEIN		
a				
8.14.2	Responsibility and Authority	NEIN		
a				
8.14.3	Software Product Assurance Programme Management	NEIN		
a				
b				
8.14.4	Reporting	NEIN		
a		NEIN		
b				
8.14.5	Product Quality Objectives and Metrication	NEIN		
a				
8.14.6	Criticality	NEIN		
a				
b				
8.14.7	Software Problem Management	NEIN		
a				
b				
c				
8.14.8	Software Development Environment Aspects	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
c				
8.14.9	Software Testing Aspects	NEIN		
a				
b				
8.15	Independent Software Verification and Validation (ISVV)	NEIN		
8.15.1	Independence	NEIN		
a		NEIN		
8.15.2	Objectives	NEIN		
a		NEIN		
b		NEIN		
8.15.3	ISVV Scope	NEIN		
a		NEIN		
b		NEIN		
8.15.4	ISVV Levels	NEIN		
a		NEIN		
8.16	Software Security Requirements	NEIN		
a				
b		NEIN		
c				
d				
e				
f				
g				
9	QA Requirements for Ground Support Equipment (GSE)	NEIN		
9.1	Design, Development and Verification	NEIN		
a				
9.2	Configuration Control	NEIN		
a				
9.3	Procurement	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
9.4	Acceptance and Delivery	NEIN		
9.4.1	End Item Data Package (EIDP)	NEIN		
a				
9.4.2	Delivery Board	NEIN		
a				
9.4.3	Delivery	NEIN		
a				
9.5	Acceptance	NEIN		
a				
9.6	Design and Manufacturing	NEIN		
a				
9.7	GSE Parts and Materials	NEIN		
a				
9.8	Maintenance	NEIN		
a				
9.9	GSE Manuals	NEIN		
a				
b				
10	Off-The-Shelf Equipment (OTS)	NEIN		
a				
b		NEIN		
10.1	Documentation	NEIN		
10.1.1	OTS Plan	NEIN		
a				
b				
c				
10.1.2	Equipment Specification	NEIN		
a				
b				
c				
d				
e				
10.1.3	OTS Equipment Evaluation Dossier	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
c				
d				
10.2	Market Investigation and OTS Equipment identification	NEIN		
10.2.1	OTS Equipment Identification	NEIN		
10.2.1.1	Market Investigation	NEIN		
a				
b				
10.2.1.2	OTS Equipment Criticality	NEIN		
a				
b				
c				
d				
e				
10.2.1.3	OTS Equipment Data Collection	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
10.2.2	Preliminary Make-or-Buy Decision Point	NEIN		
10.2.2.1	Market Investigation Output	NEIN		
a				
b				
10.2.2.2	Trade-off	NEIN		
a				
10.3	OTS Characterization	NEIN		
10.3.1	General	NEIN		
a				
b				
c				
d				
10.3.2	Product Assurance	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Evaluation for OTS Equipment Characterization			
10.3.2.1	Dependability	NEIN		
10.3.2.1.1	Criticality	NEIN		
a				
b				
c				
10.3.2.1.2	FMEA / FMECA	NEIN		
a				
b				
10.3.2.1.3	Equipment Monitors	NEIN		
a				
b				
c				
10.3.2.1.4	OTS Equipment Operability	NEIN		
a				
b				
c				
10.3.2.1.5	Installation and Maintenance	NEIN		
a				
b				
c				
10.3.2.1.6	Internal Redundancy / Design for Minimum Risk	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
10.3.2.1.7	Reliability Figure	NEIN		
a		NEIN		
10.3.2.1.8	Life	NEIN		
a				
b				
c				
d				
10.3.2.1.9	Derating	NEIN		
a				
b				
10.3.2.2	Safety	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
c				
d				
10.3.2.2.1	Safety Criticality	NEIN		
a				
b				
c		NEIN		
d		NEIN		
10.3.2.2.2	OTS Safety Data	NEIN		
a				
b				
c				
10.3.2.3	EEE Parts (inside OTS Equipment)	NEIN		
10.3.2.3.1	EEE Parts Management	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k		NEIN		
l		NEIN		
m				
n		NEIN		
10.3.2.3.2	Part Quality	NEIN		
a				
b				
c				
d				
10.3.2.4	Mechanical Parts, Materials and Processes	NEIN		
10.3.2.4.1	Mechanical Parts and	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Materials Management			
a				
b		NEIN		
c				
10.3.2.4.2	Prohibited Materials	NEIN		
a				
b				
c				
d				
10.3.2.4.3	Inspection of PCBs	NEIN		
a				
10.4	Performance Evaluation - Engineering related Activities	NEIN		
a				
10.4.1	Structural and Mechanical Evaluation	NEIN		
a				
b				
c				
d		NEIN		
10.4.2	Thermal Evaluation	NEIN		
a				
b				
c				
d				
e				
f		NEIN		
10.4.3	Electrical	NEIN		
10.4.3.1	General	NEIN		
a				
b				
c				
d				
10.4.3.2	Electrical Power Requirements	NEIN		
a				
b				
c				

Abs	Titel	Ausgabe	geändert	Datum
d				
e				
f				
g				
10.4.3.3	Data Handling	NEIN		
a				
b				
c				
10.4.3.4	Radio Frequency Transmission and Reception	NEIN		
a				
b				
10.4.3.5	Electromagnetic Compatibility	NEIN		
a				
b				
10.4.3.6	High Energy Radiations	NEIN		
a				
b				
c				
d				
e				
10.4.3.7	EEE Quality and Constraints	NEIN		
a				
b				
c				
10.4.4	Maintenance	NEIN		
a				
10.5	Final Make or Buy Decision	NEIN		
a				
b				
c				
10.6	OTS Equipment Procurement and Qualification	NEIN		
10.6.1	OTS Equipment Procurement	NEIN		
10.6.1.1	OTS Equipment Procurement Documentation	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
10.6.1.2	Batches	NEIN		
a				
b				
c				
d				
10.6.1.3	Configuration Control of Modified OTS Equipment	NEIN		
a				
b				
10.6.1.4	Quality Assurance	NEIN		
a				
10.6.1.5	Failure Reporting, Nonconformance Control and Corrective Actions	NEIN		
a				
10.6.2	Qualification	NEIN		
a		NEIN		
b		NEIN		
c				
d				
e		NEIN		
f		NEIN		
11	Space Debris Mitigation	NEIN		
11.1	General	NEIN		
a		NEIN		
11.2	reference	NEIN		
11.2.1	Reference Documents	NEIN		
a		NEIN		
11.2.2	Applicable Documents	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
11.3	Abbreviations	NEIN		
a		NEIN		
11.4	Definitions (Glossary of Terms)	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
j		NEIN		
k		NEIN		
l		NEIN		
m		NEIN		
n		NEIN		
o		NEIN		
p		NEIN		
q		NEIN		
r		NEIN		
s		NEIN		
t		NEIN		
u		NEIN		
v		NEIN		
w		NEIN		
x		NEIN		
y		NEIN		
z		NEIN		
aa		NEIN		
ab		NEIN		
ac		NEIN		
ad		NEIN		
ae		NEIN		
af		NEIN		
ag		NEIN		
ah		NEIN		
ai		NEIN		
aj		NEIN		
ak		NEIN		
11.5	Objective	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
11.6	Mitigation Measures	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
11.7	Protected Regions	NEIN		
a		NEIN		
b		NEIN		
11.8	Space Debris Mitigation Assessments	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
11.9	Noncompliance	NEIN		
a		NEIN		
11.10	Conducting Space Debris Mitigation Assessments	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
j		NEIN		
11.11	Space Debris Mitigation Assessment Reports (SDMAR)	NEIN		
11.11.1	SDMAR-1 Assessment of Spacecraft Debris Released during Normal Operations	NEIN		
a		NEIN		
11.11.2	SDMAR-2 Assessment of Spacecraft Accidental Breakups and Potential for Explosions	NEIN		
a		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
11.11.3	SDMAR-3 Assessment of Spacecraft Potential for On-Orbit Collisions	NEIN		
a		NEIN		
11.11.4	SDMAR-4 Assessment of Spacecraft Postmission Disposal Plans and Procedures	NEIN		
a		NEIN		
11.11.5	SDMAR-5 Assessment of Spacecraft Re-entry Hazards	NEIN		
a		NEIN		
11.12	Design Measures	NEIN		
a		NEIN		
b		NEIN		
11.12.1	Prevention: Mission Related Objects	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
11.12.2	Prevention: Solid Propellants and Pyrotechnics	NEIN		
a		NEIN		
b		NEIN		
11.12.3	Prevention: Materials and Technologies	NEIN		
a		NEIN		
11.12.4	Prevention: Fragmentation	NEIN		
a		NEIN		
b		NEIN		
11.12.5	Prevention: Malfunction	NEIN		
a		NEIN		
11.12.6	Prevention: On-Orbit Collisions	NEIN		
a		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
11.12.7	Prevention: Design for Demise	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
11.12.8	Prevention: (Mega-) LEO /MEO-Constellations	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
11.13	Passivation	NEIN		
a		NEIN		
11.13.1	Design for Passivation	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
11.14	Disposal Manoeuvres	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
11.14.1	Disposal from LEO Protected Region	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
d		NEIN		
e		NEIN		
f		NEIN		
11.14.2	Disposal of Space Systems in or passing through GEO Protected Region:	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
11.14.3	Disposal of Space Systems in MEO	NEIN		
a		NEIN		
b		NEIN		
11.14.4	Disposal of Space Systems in Lagrange Points	NEIN		
a		NEIN		
11.14.5	Disposal Regions	NEIN		
a		NEIN		
b		NEIN		
11.14.6	Propellant for Disposal	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
11.14.7	Disposal Probability	NEIN		
a		NEIN		
b		NEIN		
11.15	Re-Entry Safety Measures	NEIN		
a		NEIN		
11.15.1	Controlled Re-Entry	NEIN		
a		NEIN		
11.15.2	Uncontrolled Re-Entry	NEIN		
a		NEIN		
11.15.3	Methods to Assess Compliance	NEIN		
a		NEIN		
11.15.4	Notification	NEIN		
a		NEIN		
11.16	Project Reviews	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
11.17	Safe Close Proximity Operation	NEIN		
11.17.1	General	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
11.17.2	reference	NEIN		
11.17.2.1	Applicable Documents	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
11.17.2.2	Reference Documents	NEIN		
a		NEIN		
11.17.3	Verification	NEIN		
a		NEIN		
11.17.3.1	General	NEIN		
a		NEIN		
b		NEIN		
11.17.3.2	Element Test Phase	NEIN		
a		NEIN		
11.17.3.3	Integrated Test Phase	NEIN		
a		NEIN		
11.17.3.4	Proximity operations verification	NEIN		
11.17.3.4.1	Rendezvous and proximity operations analysis	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
11.17.3.4.2	Abort analysis	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a		NEIN		
b		NEIN		
11.17.4	Demonstration flight	NEIN		
a		NEIN		
11.17.4.1	Flight test program	NEIN		
a		NEIN		
11.17.4.2	Demonstration of safety-critical functions	NEIN		
a		NEIN		
11.17.5	Trained and Qualified Operators	NEIN		
a		NEIN		
12	Planetary Protection & Sustainability	NEIN		
12.1	Policy	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.2	reference	NEIN		
12.2.1	Applicable Documents	NEIN		
a		NEIN		
12.2.2	Reference Documents	NEIN		
a		NEIN		
12.3	General	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.4	Categorization of Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.5	General Requirements	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
d		NEIN		
e		NEIN		
f		NEIN		
12.6	Implementation Guidelines	NEIN		
a		NEIN		
b		NEIN		
12.6.1	Numerical Implementation Limits for Forward Contamination Calculations not Otherwise Specified	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
12.6.2	Probability of Impact Analysis	NEIN		
a				
b				
12.6.3	Flight Hardware Assembly	NEIN		
a				
12.7	Deviations	NEIN		
a		NEIN		
b				
12.8	Requirements for Back Contamination Prevention	NEIN		
12.8.1	General Requirements for Category V	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.8.2	Requirements for Earth Return and Landing System	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
f		NEIN		
g		NEIN		
12.8.3	Requirements for Sample Handling and Analysis	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		
h		NEIN		
i		NEIN		
j		NEIN		
k		NEIN		
l		NEIN		
12.8.4	Documentation	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.9	Target specific requirements	NEIN		
a		NEIN		
12.9.1	Mercury Missions	NEIN		
a		NEIN		
b		NEIN		
12.9.2	Venus Missions	NEIN		
a		NEIN		
b		NEIN		
12.9.3	Mars and Mars Satellite Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
e		NEIN		
f		NEIN		
g		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
h		NEIN		
i		NEIN		
j		NEIN		
k				
l				
12.9.4	Jupiter and Jupiter Satellite Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
12.9.4.1	Missions to Europa	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.9.5	Saturn and Saturn Satellite Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
12.9.5.1	Missions to Enceladus	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.9.6	Uranus and Uranus Satellite Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
12.9.7	Neptune and Neptune Satellite Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
12.9.8	Pluto and Pluto Satellite Missions	NEIN		
a		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
b		NEIN		
c		NEIN		
12.9.9	Moon Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
12.9.10	Asteroid Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
12.9.11	Comet Missions	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
d		NEIN		
12.9.12	Solar Missions	NEIN		
a		NEIN		
12.9.13	Interstellar Missions, especially to Extrasolar Systems & Planets	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
13	Space Cyber and Data Security	NEIN		
13.1	Security Controls Frameworks	NEIN		
13.1.1	General	NEIN		
a				
b				
13.1.2	ISO/IEC 27000 Series	NEIN		
a				
13.1.3	Other Frameworks	NEIN		
a				
13.2	Space Cyber Security	NEIN		
13.2.1	General	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
c				
13.2.2	reference	NEIN		
13.2.2.1	Applicable Documents - Space Cyber Security	NEIN		
a				
b				
13.2.2.2	Reference Documents - Space Cyber Security	NEIN		
a				
13.2.3	Definitions	NEIN		
13.2.3.1	"Threat"	NEIN		
a				
13.2.3.2	Threat Agents / Sources and Vulnerabilities	NEIN		
a				
b				
13.2.3.3	Common Threats Applicable to Space Missions	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
13.2.4	Threat Assessment	NEIN		
a				
13.2.5	Operation Center, Manufacturing and AIT/AIV Facilities Security, Cloud Computing	NEIN		
a				
b				
c				

Abs	Titel	Ausgabe	geändert	Datum
d				
e				
f				
13.2.5.1	Operation & Operation Center	NEIN		
a				
b				
c				
d				
e				
f				
13.2.6	Security Policy	NEIN		
a				
13.2.7	Information Categorisation	NEIN		
a				
13.2.8	Security Requirements & Control	NEIN		
a				
13.2.9	Security Management & Security plan	NEIN		
a				
b				
c				
d				
e				
f				
13.2.10	Risk Assessment	NEIN		
a				
b				
c				
d				
13.2.10.1	Red Team Assessment	NEIN		
a		NEIN		
b		NEIN		
c		NEIN		
13.2.10.2	Assessment of Mission Essential Functions	NEIN		
a		NEIN		

Abs	Titel	Ausgabe	geändert	Datum
13.2.10.3	Mission Mapping of Mission Essential Functions	NEIN		
a		NEIN		
13.2.10.4	Vulnerability Assessment	NEIN		
a		NEIN		
13.2.10.5	Threat Mitigation	NEIN		
a		NEIN		
13.2.11	Approval and Life Cycle	NEIN		
a				
b				
c				
d				
e				
13.3	Data & Information Security	NEIN		
13.3.1	General	NEIN		
a				
b				
c				
d				
e				
13.3.2	Long-Term Data Archiving	NEIN		
13.3.2.1	reference	NEIN		
13.3.2.1.1	Applicable Documents – Long-Term Data archiving	NEIN		
a				
13.3.2.1.2	Reference Documents &mdash Long-term data archiving	NEIN		
a				
13.3.2.2	Long-Term Archiving Requirements	NEIN		
a				
b				
c				
d				
e				
13.3.3	Security of Data &	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	Information during Project			
a				
b				
13.4	Software Security	NEIN		
a				
13.5	Artificial Intelligence & Machine Learning Assurance	NEIN		
13.5.1	General	NEIN		
a				
b				
13.5.2	Ethic Requirements	NEIN		
a				
b				
c				
d				
e				
13.5.3	AI Testing Lifecycle	NEIN		
a				
13.5.4	Datasets	NEIN		
a				
b				
c				
d				
e				
f				
13.5.5	Algorithm	NEIN		
a				
13.5.6	Testing	NEIN		
a				
b				
c				
d				
13.5.7	Source Code	NEIN		
a				
b				
14	Ground Segment	NEIN		
14.1	General	NEIN		
a				

Abs	Titel	Ausgabe	geändert	Datum
b				
c				
d				
e				
f				
g				
h				
i				
14.2	Ground Segment Lifetime	NEIN		
a				
b				
c				
14.3	Ground Segment Verification and Validation	NEIN		
a				
b				
c				
d				
e				
14.4	Ground Segment Scalability	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
14.5	Ground Segment Maintainability	NEIN		
a				
b				
c				
d				
e				

Abs	Titel	Ausgabe	geändert	Datum
f				
g				
h				
i				
j				
k				
l				
m				
n				
14.6	Ground Segment Availability & Reliability	NEIN		
a				
b				
c				
d				
e				
f				
g				
14.7	Ground Segment Fault Tolerance	NEIN		
a				
b				
c				
14.8	Ground Segment Anomaly Response	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
14.9	Ground Segment Configuration Management	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
	System			
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				
14.10	Enterprise Management	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				
o				
14.10.1	Data Management	NEIN		
a				
b				
c				
d				
e				
f				

Abs	Titel	Ausgabe	geändert	Datum
g				
h				
i				
j				
k				
14.10.2	Monitoring	NEIN		
a				
b				
c				
d				
14.11	Flight SW Maintenance	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				
o				
14.12	Command Verification	NEIN		
a				
b				
c				
d				
e				
f				
g				
14.13	Ground Command Management	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
c				
14.14	Telemetry	NEIN		
a				
b				
c				
d				
e				
f				
g				
14.15	Satellite State Monitoring	NEIN		
a				
b				
c				
14.16	Space-Ground Functional Communications	NEIN		
a				
b				
c				
d				
e				
14.17	Orbit Determination	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
l				
14.18	Mission Management Storage	NEIN		
a				
b				
14.19	Mission Planning	NEIN		

Abs	Titel	Ausgabe	geändert	Datum
a				
b				
c				
d				
e				
f				
14.20	Development Environment	NEIN		
a				
b				
c				
d				
e				
f				
14.21	Training	NEIN		
a				
b				
c				
d				
e				
f				
g				
14.22	Security	NEIN		
a				
14.22.1	IT Security	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
j				
k				
l				
m				
n				

Abs	Titel	Ausgabe	geändert	Datum
o				
p				
q				
r				
s				
t				
u				
v				
w				
x				
y				
z				
aa				
ab				
14.22.2	IoT Device Security	NEIN		
a				
b				
c				
d				
e				
14.22.3	Telecommunications	NEIN		
a				
b				
c				
14.22.4	Ground Segment Security Monitoring	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
14.22.5	Ground Segment Perimeter Protection	NEIN		
a				
b				

Abs	Titel	Ausgabe	geändert	Datum
c				
d				
e				
f				
g				
h				
14.22.6	Ground Segment Continuity	NEIN		
a				
14.23	Environmental Requirements	NEIN		
a				
b				
c				
d				
e				
f				
g				
14.24	Documentation	NEIN		
a				
b				
c				
d				
e				
f				
g				
h				
i				
15	Emergency & Disaster Management	NEIN		
15.1	General	NEIN		
a				
b				
c				
d				
15.2	Emergency Planning	NEIN		
a				
b				
c				
d				

Abs	Titel	Ausgabe	geändert	Datum
16	PA Document Requirement List (DRL)	NEIN		
a				
b				
c				
d				
17	Compliance Matrix	NEIN		
a				