

Société Safran émettrice : **Safran Aircraft Engines**
Issuing Safran company **Safran Aero Boosters**
Safran Transmission systems

prononce la qualification sur les référentiels indiqués suivant GRP-0087 – GRM-0123.
grants the qualification on the specifications indicated as per GRP-0087 – GRM-0123.

ELEMENTS MATERIALS TECHNOLOGY

18100 S.Wilmington Avenue
 Rancho Dominguez, Ca 90220


Pour les procédés spéciaux suivant, les domaines sont précisés page suivante
For the following special processes refer to next page for scope definition

Safran Process N°	Procédés Processes	Référentiel Technique Technisai Specification	Statut Status	Restrictions techniques Technical limitation	Fin de Validité Expiration Date
4.6.1	Contrôle ultrasonore d'articles métalliques / Ultrasonic Inspection of metallic parts	DMC0020 / Pr-5100	Qualification		NOT LIMITED

N° de rapport Report No.	Observations Remarks
DQ-5100_16/12/2016 Nadcap accreditation	Based on Safran Helicopter Engines qualification (RQPS_300065698) No factor correction with Safran Aircraft Engines Master block (using GE approved standards and GE correction factors per GCI-106 after approval of scan plan by Safran AE Level 3)

La validité des qualifications des fournisseurs est confirmée et actualisée par la publication de la liste des procédés spéciaux qualifiés sur le site (AIRCOLLAB : www.boostaerospace.com/aircollab/ L'activation des accès fournisseurs à ce site se fait par demande à l'adresse suivante : saf.admin-gps@safran.fr / The supplier qualification validity is confirmed and updated by the publication of qualified special process list on website (AIRCOLLAB: www.boostaerospace.com/aircollab/). The activations of suppliers access to the website will be done upon request to this following email address: saf.admin-gps@safran.fr

Auditeur/Responsable de la Qualification Auditor/Qualification Leader

Date :	Name :	Signature :
08/09/2017	F.JACQUES	

Domaine de Qualification des Procédés Spéciaux

Special Processes Qualification Scope

Identification des installations <i>Facilities identification</i>	Caractéristiques de l'installation <i>Facilities features</i>					Matériau(x) <i>Material(s)</i>	Domaine d'utilisation <i>Operating scope</i>	Commentaires <i>Comments</i>																																																									
<h2 style="margin: 0;">UT Systems</h2> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="width: 15%;">Immersion / Modified Immersion</th> <th style="width: 16.6%;">SYSTEM 16</th> <th style="width: 16.6%;">SYSTEM 22</th> <th style="width: 16.6%;">SYSTEM 23</th> <th style="width: 16.6%;">SYSTEM 24</th> <th style="width: 16.6%;">SYSTEM 25</th> </tr> </thead> <tbody> <tr> <td>DATE IN SERVICE</td> <td>0/0/1997</td> <td>November-16</td> <td>January-09</td> <td>January-09</td> <td>January-09</td> </tr> <tr> <td>SPECIAL / GENERIC / CLOSED LOOP SYSTEM</td> <td>SPECIAL / CLOSED LOOP SYSTEM</td> <td>SPECIAL / CLOSED LOOP SYSTEM</td> <td>SPECIAL / CLOSED LOOP SYSTEM</td> <td>SPECIAL / CLOSED LOOP SYSTEM</td> <td>SPECIAL / CLOSED LOOP SYSTEM</td> </tr> <tr> <td>Serial Number</td> <td>6253 / 0153VM</td> <td>6378, 6739</td> <td>5226, 5227</td> <td>5303, 5304</td> <td>5259, 5260</td> </tr> <tr> <td>Manufacture</td> <td>SDI</td> <td>SDI</td> <td>SDI</td> <td>SDI</td> <td>SDI</td> </tr> <tr> <td>Software</td> <td>Masterscan 2006 1.30.XX, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.XX</td> <td>Masterscan 2006 1.32.55, Masterscan RPS 705 1.0.9</td> <td>Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40</td> <td>Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40</td> <td>Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40</td> </tr> <tr> <td>Scope</td> <td>KB USPC 2100 VER. 5.1.4, HARDWARE VER. R0-25M, FIRMWARE VER. 660_314D & Sonic 138</td> <td>Socomate USPC 3100 v 6.4.5.5</td> <td>Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2</td> <td>Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2</td> <td>Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2</td> </tr> <tr> <td>Pulser / Receiver</td> <td>KB-USPC 2100 SAME AS ABOVE</td> <td>SAME AS ABOVE</td> <td>Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101</td> <td>Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101</td> <td>Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101</td> </tr> <tr> <td>Recording Device</td> <td>Masterscan EC 3.15.14, GE-2.5.12a Compliant</td> <td>Masterscan EC 3.18.26, GE-2.5.12a Compliant</td> <td>Masterscan EC 3.15.14, GE-2.5.12a Compliant</td> <td>Masterscan EC 3.15.14, GE-2.5.12a Compliant</td> <td>Masterscan EC 3.15.14, GE-2.5.12a Compliant</td> </tr> </tbody> </table>									Immersion / Modified Immersion	SYSTEM 16	SYSTEM 22	SYSTEM 23	SYSTEM 24	SYSTEM 25	DATE IN SERVICE	0/0/1997	November-16	January-09	January-09	January-09	SPECIAL / GENERIC / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	Serial Number	6253 / 0153VM	6378, 6739	5226, 5227	5303, 5304	5259, 5260	Manufacture	SDI	SDI	SDI	SDI	SDI	Software	Masterscan 2006 1.30.XX, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.XX	Masterscan 2006 1.32.55, Masterscan RPS 705 1.0.9	Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40	Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40	Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40	Scope	KB USPC 2100 VER. 5.1.4, HARDWARE VER. R0-25M, FIRMWARE VER. 660_314D & Sonic 138	Socomate USPC 3100 v 6.4.5.5	Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2	Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2	Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2	Pulser / Receiver	KB-USPC 2100 SAME AS ABOVE	SAME AS ABOVE	Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101	Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101	Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101	Recording Device	Masterscan EC 3.15.14, GE-2.5.12a Compliant	Masterscan EC 3.18.26, GE-2.5.12a Compliant	Masterscan EC 3.15.14, GE-2.5.12a Compliant	Masterscan EC 3.15.14, GE-2.5.12a Compliant	Masterscan EC 3.15.14, GE-2.5.12a Compliant	<p>Acier, Base Ti, Base Ni, Al Base <i>Steel, Ti Base, Ni Base, Al Base</i></p>	<p>Contrôle ultrasonore standard de pièces forgées (immersion) / <i>UT Standard Inspection for forging parts (Immersion)</i></p>	<p>No factor correction with Safran Aircraft Engines Master block (using GE approved standards and GE correction factors per GCI-106 after approval of scan plan by Safran AE Level 3)</p>
Immersion / Modified Immersion	SYSTEM 16	SYSTEM 22	SYSTEM 23	SYSTEM 24	SYSTEM 25																																																												
DATE IN SERVICE	0/0/1997	November-16	January-09	January-09	January-09																																																												
SPECIAL / GENERIC / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM	SPECIAL / CLOSED LOOP SYSTEM																																																												
Serial Number	6253 / 0153VM	6378, 6739	5226, 5227	5303, 5304	5259, 5260																																																												
Manufacture	SDI	SDI	SDI	SDI	SDI																																																												
Software	Masterscan 2006 1.30.XX, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.XX	Masterscan 2006 1.32.55, Masterscan RPS 705 1.0.9	Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40	Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40	Masterscan 2006 1.30.25, Masterscan RPS 705 1.0.9, Masterscan 3D 1.31.40																																																												
Scope	KB USPC 2100 VER. 5.1.4, HARDWARE VER. R0-25M, FIRMWARE VER. 660_314D & Sonic 138	Socomate USPC 3100 v 6.4.5.5	Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2	Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2	Socomate USPC 3100 v.3.2, Application 6.4.5.2, DLL 10.2.2, Driver 3.3.2																																																												
Pulser / Receiver	KB-USPC 2100 SAME AS ABOVE	SAME AS ABOVE	Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101	Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101	Socomate USPC 3100 v.3.2, 8Ch MUX Board 3108, 1Ch rcpp board 3101																																																												
Recording Device	Masterscan EC 3.15.14, GE-2.5.12a Compliant	Masterscan EC 3.18.26, GE-2.5.12a Compliant	Masterscan EC 3.15.14, GE-2.5.12a Compliant	Masterscan EC 3.15.14, GE-2.5.12a Compliant	Masterscan EC 3.15.14, GE-2.5.12a Compliant																																																												