

Division of Materials and Processes

O/Ref. : AQPS 535_20170321
Phone : (33) 01.69.87.05.53
Evry, the March 21, 2017

Haynes International

2000 West Deffenbaugh street
46904 KOKOMO
U.S.A.

**Attention to Mr David FLUCK
Director of laboratory services
Mr Nicolas MOYSAN
Haynes International**

*Your correspondent : Mr Michel BIDEAU
Michel.bideau@safrangroup.com*

Subject : Renewal Laboratory Qualification – AQPS 535

Dear Sirs,

Please find enclosed the Corrective Action Request CAR n° 200009297 closed and the final Special Processes Qualification Certificate n° 535.

This qualification is pronounced according to GRP-0087 and GRM-0123 procedures and to the new process of qualification and monitoring special process suppliers Safran (see attached letter)


Yours faithfully.

The auditor Safran



Michel BIDEAU

Laboratory qualification and purchasing
strategy department manager



Bruno LEMAIRE

Enclosed : - *Corrective Action Request n° 200009297 closed*
- *AQPS 535_Ind. 1*
- *CRQPS_535_20170321_Ind. 1*
- *Letter*

Attestation de Qualification des Procédés Spéciaux Laboratoires

Laboratory Special Processes Qualification Certificate

**Safran Aircraft
Engines**

**prononce la qualification sur les référentiels indiqués
pour l'ensemble des sociétés du Groupe Safran suivant GRP-0087 – GRM-0123.
grants the qualification on the specifications indicated
for all companies of Safran Group following GRP-0087 – GRM-0123**

**Haynes International
2000 West Deffenbaugh street
46904 KOKOMO
U.S.A.**



Safran Process N°	Code Lab N°	Procédés Processes	Référentiel Technique Technical Specification	Statut Status	Restrictions techniques Technical limitation	Fin de Validité Expiration Date
8.00 - Physique et physico-chimie						
8.00.00.01	D	Métaux - Analyse chimique par voie humide (Gravimétrie, Volumétrie) / Metals - Wet chemical analysis (Gravimetry, Volumetry)	Internal procedures 456-135, 459-136, 456-137	Qualified		NOT LIMITED
8.00.00.02	D	Métaux - Titrimétrie, Potentiométrie / Metals - Titrimetry, Potentiometry	Internal procedures 456-135, 459-136, 456-137	Qualified		NOT LIMITED
8.00.00.03	G	Métaux - Dosage du Carbone / Metals - Carbon determination	ASTM E1019	Qualified		NOT LIMITED
8.00.00.04	H	Métaux - Dosage du Soufre / Metals - Sulfur determination	ASTM E1019	Qualified		NOT LIMITED
8.00.00.06	J	Métaux - Dosage de l'azote / Metals - Nitrogen determination	ASTM E1019	Qualified		NOT LIMITED
8.00.00.08	F1	Métaux - Fluorescence X / Metals - X Ray Fluorescence	ASTM E1621	Qualified		NOT LIMITED
8.00.00.10	F2	Métaux - Spectrométrie d'émission plasma (SEP) / Metals - Inductively Coupled Plasma Spectrometry (ICP)	ASTM E1479 ASTM E2594	Qualified		NOT LIMITED
8.00.00.12	F3	Métaux - Spectrométrie d'émission optique par étincelle / Metals - Spark Optical emission spectrometry	ASTM E1086	Qualified		NOT LIMITED
8.02 - Mécanique						
8.02.00.01	A	Métaux - Traction à température ambiante / Metals - Tensile test at room temperature	ASTM E8	Qualified		NOT LIMITED
8.02.00.02	B	Métaux - Traction à température élevée / Metals - Tensile test at elevated temperature	ASTM E21	Qualified		NOT LIMITED

N° de rapport : CRQPS 535_20170321
 Report n°

Qualification based on questionnaire Dq 6999 and CAR closed

(*) 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	Nom/Signature Name	Nom/Signature Name
March 21, 2017	Auditor Safran Group Michel BIDEAU 	Laboratory qualification and purchasing strategy department manager : Bruno LEMAIRE 

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8.02 - Mécanique						
8.02.00.04	C	Métaux - Fluage rupture / Metals - Stress rupture creep test	ASTM E139 ASTM E292	Qualified		NOT LIMITED
8.02.00.19	M3	Métaux - Dureté Rockwell / Metals - Rockwell hardness	ASTM E18	Qualified		NOT LIMITED
8.03 - Microscopie, Macroscopie						
8.03.00.01	L1a	Métaux - Taille de grains / Metals - Grain size	ASTM E112 ASTM E930 ASTM E1181	Qualified		NOT LIMITED
8.03.00.02	L1b	Métaux - Taux d'inclusions / Metals - Inclusion content	ASTM E45	Qualified		NOT LIMITED
8.03.00.99	L1e	Métaux - Autres examens Micrographie optique / Metals - Optical micrography examination: Other	ASTM E3 ASTM E407	Qualified		NOT LIMITED

N° de rapport : CRQPS 535_20170321
Report n°

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Auditeur / Responsable de la qualification Auditor / Qualification leader

Date	Nom/Signature Name	Nom/Signature Name
March 21, 2017	Auditor Safran Group Michel BIDEAU 	Laboratory qualification and purchasing strategy department manager : Bruno LEMAIRE 

Sirs,

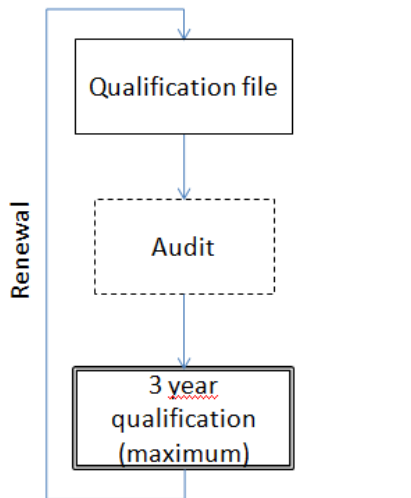
From **01/07/2016** and in accordance with **GRM-0123 Ed1 Rev0 qualification and monitoring process for Safran special processes suppliers evolves**.

From that date, when renewing or initiating your qualifications, you will receive from concerned Safran companies, a qualification certificate **without expiry date**. To maintain your qualification, **Safran monitoring actions** (GRM-0123 §13.6.4) will be performed by Safran auditors. These actions will be determined based your **Nadcap audit results and your performance on Safran parts**. Our auditors **will contact you** for their implementation.

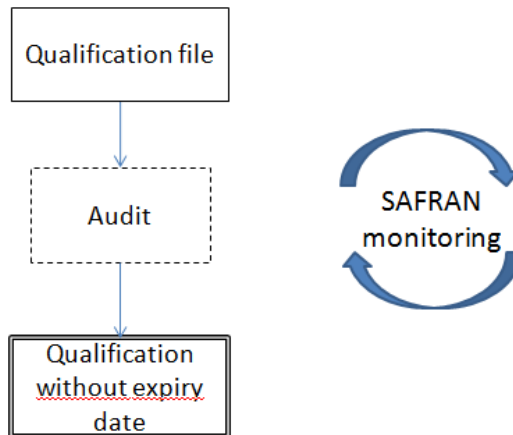
The **suppliers approved qualification list** is available and updated on the web site **AIRCOLLAB**.
<http://www.boostaerospace.com/aircollab/>

If you do not have any AirCollab account, if you face difficulties with the website or for any question related to this new process, please contact: **saf.admin-gps@safran.fr**

GRM-0123 §13 before 01/07/2016



GRM-0123 §13 after 01/07/2016



Nom du Fournisseur <i>Supplier</i>	Haynes International	Code fournisseur <i>Supplier number</i>	MDM532393		
Adresse <i>Address</i>	2000 West Deffenbaugh street - 46904 Kokomo - USA				
Activité Fournisseur <i>Supplier Activities</i>	Test laboratory.				
Contact fournisseur <i>Supplier contact</i>	Nom : David FLUCK <i>Name</i>	Fonction : Director of laboratory services <i>Title</i>			
	Adresse email : dfluck@haynesintl.com <i>Email address</i>				
Nature Audit <i>Audit Purpose</i>	Sur site <i>On-site audit</i>	<input type="checkbox"/>	Sur Dossier(DQ) <i>On DQ</i>	<input checked="" type="checkbox"/>	Date : February 2, 2017
	Evaluation <i>Evaluation</i>	<input type="checkbox"/>	Renouvellement <i>Re-Approval</i>	<input checked="" type="checkbox"/>	Qualification initiale <i>Approval</i>
	<input type="checkbox"/> Surveillance <i>Folow up</i> <input type="checkbox"/> Autre* <i>Other</i> <input type="checkbox"/>				
*Si Autre, préciser : <i>If other, detail :</i>					
Thème Audit <i>Scope of Audit</i>	File audit for the renewal of the AQPS n° 535				

Equipe audit & audités <i>Audit staff & auditees</i>				
Fonction <i>Title</i>	Nom <i>Name</i>	Safran	Fournisseur <i>Supplier</i>	Catégorie de l'auditeur Safran⁽¹⁾ <i>Safran auditor level</i>
Laboratory quality manager	Larry YAROSZ		Haynes	
Laboratory technical manager	David FLUCK		Haynes	
Business Unit Manager	Eric CHABAULT		B.V.L	Society BVL
Auditor	Vincent TRECUCU		B.V.L	Society BVL

(1) Support Nadcap, Safran, société, en formation /Nadcap support, Safran, society, in progress

Spécification(s) de l'audit <i>Audit Specification</i>	
Référentiels techniques Safran <i>Safran Technical Specification</i>	Audit regarding Snecma standards: GRP-0087, GRM 0123 et ISO 17025:2005.
Autres référentiels <i>Other specification</i>	


Procédés et n°PS <i>Process and PS n°</i>	Identification des installations <i>Facility identification</i>	Référentiel Technique <i>Technical specifications</i>	Accréditation NADCAP⁽²⁾ <i>Nadcap accreditation</i>	Décision⁽³⁾	Si restrictions ou surveillance référence du paragraphe
8.00.00.01 D	Métaux - Analyse chimique par voie humide (Gravimétrie, Volumétrie) / Metals - Wet chemical analysis (Gravmetry, Volumetry)	Internal procedures	A	Qualified	
8.00.00.02 D	Métaux - Titrimétrie, Potentiométrie / Metals - Titrimetry, Potentiometry	Internal procedures	A	Qualified	
8.00.00.03 G	Métaux - Dosage du Carbone / Metals - Carbon determination	ASTM E1019	A	Qualified	
8.00.00.04 H	Métaux - Dosage du Soufre / Metals - Sulfur determination	ASTM E1019	A	Qualified	
8.00.00.06 J	Métaux - Dosage de l'azote / Metals - Nitrogen determination	ASTM E1019	A	Qualified	
8.00.00.08 F1	Métaux - Fluorescence X / Metals - X Ray Fluorescence	ASTM E1621	A	Qualified	

Procédés et n°PS <i>Process and PS n°</i>	Identification des installations <i>Facility identification</i>	Référentiel Technique <i>Technical specifications</i>	Accréditation NADCAP ⁽²⁾ <i>Nadcap accreditation</i>	Décision ⁽³⁾	Si restrictions ou surveillance référence du paragraphe
8.00.00.10 F2	Métaux - Spectrométrie d'émission plasma (SEP) / Metals - Inductively Coupled Plasma Spectrometry (ICP)	ASTM E1479 - ASTM E2594	A	Qualified	
8.00.00.12 F3	Métaux - Spectrométrie d'émission optique par étincelle / Metals - Spark Optical emission spectrometry	ASTM E1086	A	Qualified	
8.02.00.01 A	Métaux - Traction à température ambiante / Metals - Tensile test at room temperature	ASTM E8	A	Qualified	
8.02.00.02 B	Métaux - Traction à température élevée / Metals - Tensile test at elevated temperature	ASTM E21	A	Qualified	
8.02.00.04 C	Métaux - Fluage rupture / Metals - Stress rupture creep test	ASTM E139 ASTM E292	A	Qualified	
8.02.00.19 M3	Métaux - Dureté Rockwell / Metals - Rockwell hardness	ASTM E18	A	Qualified	
8.03.00.01 L1a	Métaux - Taille de grains / Metals - Grain size	ASTM E112 ASTM E930 ASTM E1181	A	Qualified	
8.03.00.02 L1b	Métaux - Taux d'inclusions / Metals - Inclusion content	ASTM E45	A	Qualified	
8.03.00.99 L1e	Métaux - Autres examens Micrographie optique / Metals - Optical micrography examination: Other	ASTM E3 ASTM E407	A	Qualified	

(2) : A=Accrédité, E=Engagé, F=audit nadcap failure, R=Engagement nadcap refusé / A=Accredited, E=Engaged, F= nadcap audit failed R=Commitment refused

(3) : Qualifié, Refusé, Suspendu, Qualifié provisoirement, Qualifié avec restriction(s), Autorisé avec surveillance / Qualified, Failed, temporary qualified, qualification with technical restriction(s), authorized with enhanced monitoring

Bilan des écarts et recommandations			
Critique(s) : 0 <i>Critical</i>	Majeur(s) : 0 <i>Major</i>	Mineur(s) : 1 <i>Minor</i>	Préventive (s) : 1 <i>Preventative</i>

Produits étudiés pendant l'audit <i>Product aim of the audit</i>					
No specific product has been studied during this laboratory file audit, only tests codes have been audited. The laboratory quotes several parts (See section 1.4.1 of the DQ questionnaire).					
Fournisseur <i>Supplier</i>			Représentant Safran <i>Safran representative</i>		
Date :	Nom :	Visa :	Date :	Nom :	Visa :
			March 21, 2017	Michel BIDEAU	

Points Forts <i>Positive points</i>	Points Faibles <i>Weak points</i>
<p>The facility is Nadcap MTL (Until 31st January 2018), Nadcap HT (Until 31st October 2016) accredited and ISO 9001, AS9100C certified.</p> <p>The laboratory is also Airbus, GE and Rolls Royce, ITP approved.</p> <p>The Quality manual is structured according to ISO 9001:2008 standard.</p>	<p><u>Minor deviation:</u></p> <ul style="list-style-type: none"> - No inclusion rate PTP test performed in the last 2 years. Kit 10-4 (A.G.S PTP program) could have been performed. <p><u>Preventative:</u></p> <ul style="list-style-type: none"> - The laboratory does not have the SAFRAN storage specification GRF-0086. <p><u>Remarks:</u></p> <ul style="list-style-type: none"> - The laboratory mentions not to participate in I.R.R equipments (§1.8.4 of DQ) but some I.R.R equipments tests are performed (Eg Code M3 on 21/01/2016, code F1, code F3...). - Exova is not always the supplier for PTP tests. The laboratory participates also with the GEAE, ARMI organization. - A.G.S PTP test on Creep (XA) has been performed in 2014 even it is not mentioned in § 1.8.4 of the DQ (Kit 3-1).

Observations éventuelles Fournisseurs

Supplier Remarks

Haynes International is a captive laboratory of raw material manufacturer. The facility is Nadcap MTL accredited on the scope of the AQPS. The laboratory is linked through main-satellite relationship to Haynes International Inc, 1020 W Park Ave, Kokomo, Indiana 46904-9013, United States (AQPS 73).

The Quality manual is structured according to ISO 9001:2008 standard.

The last CRQPS report (18/12/2013) shows one minor deviation (200007393) which could be verified and closed by this on-file audit.

The laboratory participated in 2014 and 2015 to PTP program (Exova and GE organization). Nevertheless, no inclusion rate PTP test has been performed in the last 2 years. Kit 10-4 (A.G.S PTP program) could have been performed (minor deviation).

The laboratory does not have the SAFRAN storage specification GRF-0086 (Preventative).

Request for extension of the scope: heat treatment (XG regarding procedure 459-009), creep test (XA regarding ASTM E-139), macro etch (XL3 regarding ASTM E-340). Specimen preparation (Z2 regarding ASTM E-23, ASTM E-21, ASTM E-8, ASTM E-139 and ASTM E-292) mentioned in § 1.4.2 of DQ is not more requested (Email on 15/10/2016).

Calibration certificates have been provided, and PTP report for creep test only has been submitted.

It is recommended to renew the AQPS with the actual scope modified by:

- To add heat treatment (XG regarding procedure 459-009), creep test (XA regarding ASTM E139), macro etch (XL3 regarding ASTM E340);
- To add ASTM E-930 and ASTM E-1181 for L1a, L1b and L1e codes.
- To remove wet chemistry (0 test performed);
- To delete ASTM E-8 for B code, ASTM E-1085 and ASTM E-1361 for F1 code, ASTM E-29 for M3 code

The Corrective Action Request CAR n° 200009297 is closed.

Consequently, the qualification is pronounced according to GRP-0087 and GRM-0123 procedures.

Pièces Jointes / Attachments: DQ completed and associated CAR.

Not applicable. File audit.

Supplier Signature
 (si observations /if remarks
 only)

Eléments analysés <i>Items reviewed</i>			
1	Qualification Questionnaire DQ6999-2	2	Safran Special Processes Qualification Certificate.
3	AS 9100C and ISO 9001:2015 certificate (N°950970071).	4	CRQPS on 18/12/2013 (N°YQL n°03658/14).
5	Corrective action request (CAR N°200007393) and answer from David Fluck.	6	Check list labo 2.
7	Organization charts	8	Quality manual (Rev 6 updated on 25/05/2016).
9	Quality control instructions list.	10	Airbus attestation letter (N°FM1504915).
11	AGS 2015 - Kit 6-1 Root cause report.	12	AGS 2015 - Kit 1-1 Root cause report.
13	AGS 2015 - Kit 2-1 Root cause report.	14	Retest AGS 2015 - Kit 1-1 Summary.
15	Retest AGS 2015 - Kit 2-1 Summary	16	Retest AGS 2015 - Kit 6-1 Summary.
17	AGS 2015 - Kit 8-2 Root cause report (Copper).	18	AGS 2015 - Kit 8-2 Root cause report (Chromium).
19	AGS 2015 - Kit 8-2 Root cause report (Cobalt).	20	Internal audit report (20/10/2015).
21	Creep calibration report (N°458-TCB-02-01), certificate of calibration (24/11/2015) and Preventative maintenance checklist (24/11/2015), and Quality inspection certificate.	22	Heat Treat Furnace #1 certificates
23	Heat Treat Furnace #2 certificates	24	Heat Treat Furnace #3 certificates
25	Heat Treat Furnace #4 certificates	26	Heat Treat Furnace #5 certificates
27	Creep equipment Round Robin summary.	28	Creep and macro personnel Round Robin summary.
29	2014 A.G.S PTP kit 3-1 report.	30	2015 GEAE PTP creep report.
31	"Chem lab", "Metallography and hardness testing", "Heat treatment" and "Mechanical testing" lists	32	Skill Matrix
33	Nadcap MTL certificate (N°7893162372).	34	ITP group supplier approval (N°E-434-SA)
35	GE Transportation certificate (22/02/2016).	36	Rolls-Royce approval (N°202557).
37	2014 and 2015 A.G.S PTP reports (Kit 10-3)	38	2014 and 2015 A.G.S PTP reports (Kit 2-1)
39	2014 and 2015 A.G.S PTP reports (Kit 10-1)	40	2014 and 2015 A.G.S PTP reports (Kit 6-1)
41	2014 and 2015 A.G.S PTP reports (Kit 1-1)	42	2014 and 2015 A.G.S PTP reports (Kit 3-2)
43	AGS 2014 - Kit 1-1 Root cause report	44	AGS 2014 - Kit 2-1 Root cause report
45	AGS 2014 - Kit 10-1 Root cause report	46	IRR for Alloy Depletion (Operators)
47	IRR for ETT (Operators)	48	IRR for Grain Size (Operators)
49	IRR for Hardness (Equipment)	50	IRR for Hardness (Operators)

51	IRR for IGA (Operators)	52	IRR for RTT (Operators)
53	IRR for Stress (Equipment)	54	IRR for Stress (Operators)
55	2015 Internal Round Robin	55	Email between Mrs Kessab and Mr Fluck.
57	Emails between Mr Trecu and Mrs O'Connell.	58	

Tableau des écarts <i>Deviation table</i>						
N° de l'écart <i>Deviation n°</i>	Niveau ⁽⁴⁾ <i>Level</i>	Procédé <i>Process</i>	Description de l'écart <i>Non Conformance Report Responsible</i>	Responsable <i>Responsible</i>	Délai <i>Time limit</i>	Statut <i>Status</i>
200009297	m	§ 5.9	No inclusion rate PTP test has been performed in the last 2 years. Kit 10-4 (A.G.S PTP program) could have been performed.	David FLUCK	March 2, 2017	Closed

(4) : C = critique / *critical*

M = majeur / *major*

m = mineur / *minor*

Tableau des Recommandations <i>Préventives table</i>		
N° de la recommandation <i>Preventive n°</i>	Procédé <i>Process</i>	Description <i>Description</i>
1	§ 4.13	The laboratory does not have the SAFRAN storage specification GRF-0086.



**Compte Rendu Qualification
Procédés Spéciaux**
Special Processes Qualification Report

Réf : CRQPS 573_20170321_Ind. 1

Date : March 21, 2017

AQPS 535

Scope	Chap. ISO 17025	Statement	Comments
4- Management requirements			
Quality manual and procedures	4.2	N/A	Laboratory Nadcap MTL accredited. For information: Quality manual is usable for all Haynes International facilities and has been reviewed on 25/05/2016. The Quality manual is structured according to ISO 9001:2008 standard.
Document control	4.3	N/A	Laboratory Nadcap MTL accredited.
Review of requests and contracts	4.4	N/A	Laboratory Nadcap MTL accredited.
Subcontracting of tests	4.5	N/A	Laboratory Nadcap MTL accredited.
Purchasing services and supplies	4.6	N/A	Laboratory Nadcap MTL accredited.
Service to the customer	4.7	N/A	Laboratory Nadcap MTL accredited.
- Complaints - Control of nonconforming testing work - Corrective action	4.8 to 4.12	N/A	Laboratory Nadcap MTL accredited.
Management reviews	4.15	N/A	Laboratory Nadcap MTL accredited.
Control of records	4.13	P	Laboratory Nadcap MTL accredited. <u>Preventative:</u> The laboratory does not have the SAFRAN storage specification GRF-0086.
Internal audits	4.14	N/A	Laboratory Nadcap MTL accredited. For information: Last internal audit took place on 20/10/2016. Report submitted.

C = Critique / *Critical* M = Majeur / *Major* m = Mineur / *Minor* P = Préventive / *Preventative*
S = Satisfaisant / *Satisfying* A = Acceptable / *Acceptable* N/A = Non applicable / *not applicable*

Scope	Chap. ISO 17025	Statement	Comments
5- Technical requirements			
Personnel	5.2	S	Section 6.2 of the Quality manual. The skill matrix and organization charts have been provided.
Accommodation and environmental conditions	5.3	A	Section 6.3 of the Quality manual. The laboratory mentions that ambient conditions do not have a direct impact on the quality of the results produced by the laboratory (§ 1.3.1 of the DQ).
Test methods	5.4	A	Quality control instructions list and procedure summary have been provided.
Equipment	5.5	A	Each equipment has a unique identification number as recorded on the "Chem lab", "Metallography and hardness testing", "Heat treatment" and "Mechanical testing" lists.
Measurement traceability – Calibration	5.6	A	Equipments are recorded to be calibrated for 1 to 60 months. Calibration reports have been provided for creep test and 5 heat treatment furnaces.
PTP	5.9	m	The AQPS participated in 2014 and/or 2015 to A.G.S PTP program for A, B, C, M3, L1a, XA, L1e, G, H, J, F1, F2 and F3 codes. Root cause analysis reports submitted for class 3 results (2015 kit 2-1, kit 1-1, kit 8-2 and kit 6-1). <u>Remark:</u> <ul style="list-style-type: none"> - The laboratory mentions not to participate in I.R.R equipments (§1.8.4 of DQ) but some I.R.R equipments tests have been performed (Eg Code M3 on 21/01/2016, code F1, code F3,..). - Exova is not always the supplier for PTP tests. The laboratory participates also with the GEAE, ARMI organizations. - A.G.S PTP test on Creep (XA) has been performed in 2014 even it is not mentioned in § 1.8.4 of the DQ (Kit 3-1). <u>Major deviation:</u> No PTP tests performed for L1b code in the last 2 years. Kit 10.4 could have been performed.
Test reports	5.10	N/A	No information submitted. The facility is Nadcap MTL accredited.

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 S = Satisfaisant / *Satisfying* A = Acceptable / *Acceptable* N/A = Non applicable / *not applicable*

Contexte / Context

The audit has been decided by SNECMA in order to renew the qualification of the laboratory (End of validity 31st December 2016).

1) Résultats de l'audit système / Results of the System Audit

See charts on pages 4 and 5.

2) Résultats de la reconnaissance d'Aptitude / Results of the capability recognition survey

2.1) Examen des moyens / Survey of the facility

Not applicable. File audit. Facility could not be evaluated on site.

2.2) Examen documentaire / Survey of the documentation

See charts on pages 4 and 5.

2.3) Examen de la qualification des opérateurs / Survey of the qualification of the personnel


See chapter 5.2 on page 5 of the chart. File audit.

2.4) Examen de la mise en œuvre du procédé / Survey of the implementation of the process

Not applicable. File audit. The implementation of the process could not be evaluated on site.

2.5) Examen des essais croisés (partie spécifique aux essais laboratoires)

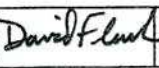
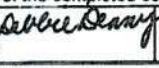
See chapter 5.9 on page 5 of the chart. File audit.


	DEMANDE D'ACTION(S) CORRECTIVE(S) (Corrective Action Request C.A.R)	DAC N° 200009297 N° Pos. [Identification CAR nr]
Intervention effectuée le : On questionnaire (Intervention date)		Référence courrier:
Origine : Externe		[Ref.letter] Date : February 2, 2017 (Date issued)
Sujet : Ecart avec l'ISO 17025 (subject)	AQPS 535	
Nom et site du Fournisseur: Haynes International (Supplier's name and site) 46904 KOKOMO	N° Fournisseur: Cesq-It n° 001993-01 / MDM532393 (Supplier Purchase code number)	

A remplir par l'émetteur (To be filled by source)

Description de la non-conformité (Non-conformance description)	
No inclusion rate PTP has been performed in the last 2 years. Kit 10-4 (A.G.S PTP program) could have been performed. (ISO 17025 § 5.9).	
Classement (Criticality): mi	C : critique(critical) Ma : majeure(major) ml : mineure(minor)
Nom émetteur : Michel BIDEAU (Assessor)	A répondre pour le : March 2, 2017 (Due date)

A remplir par le destinataire (To be filled by addressee)

CAUSES racines (Root causes)	Méthodologie (Method)
Section 1.4.1 of the DQ-6999 document was not completed correctly. The E45 inclusion test was incorrectly identified as a test in our Nadcap scope. Inclusion checks are performed per internal SOP. Formal requests to ASTM E45 Method D are performed at a Nadcap approved lab. The AGS/PTP is not formally required.	
ACTIONS CORRECTIVES (Corrective actions)	Application (Implementation) Date réalisation prévue (planned completion)
Kit #10-4 has been ordered. The Exova PTP website has not published what material or method is to be used for the PTP. Haynes will evaluate the participation in the PTP to strengthen our internal process. Safran material specifications and reference specifications were reviewed for inclusion test requirements. We are not in violation with current procedures.	May 1, 2017
Nom du représentant de la société: Dave Fluck (Organization representative name)	Signature :  (Signature) Date : March 14, 2017 (Current Date)
Vérification de la réalisation des actions par le Fournisseur (Verification of the implementation of the completed corrective actions by the Supplier)	
Nom du représentant de la société: Debbie Denny (Organization representative name)	Signature :  (Signature) Date : March 14, 2017 (Current Date)

Vérification des actions correctives par l'émetteur / Commentaires : (verification of the completed corrective actions by the assessor / Comment)			
Date : 15/03/17 (Verification Date)	Soldeé Date : 15/03/17	Nom : BIDEAU Michel (Name):	Signature :  (Signature)
	Clôturée Date : 15/03/17		