Compte Rendu Qualification Procédés Spéciaux
Special Processes Qualification Report

Ref CIAS/2025/308
Ind 00

Nom du fournisseur *Supplier name*	Element Materials Technology	**Code fournisseur** *Supplier number*	MDM534405
Adresse *Address*	18100 S Wilmington Avenue, Rancho Dominguez, CA 90220, USA	**Code Laboratoire** *Lab number*	/
Contact fournisseur *Supplier contact*	**Nom :** *Name:* John Gerardo — **Fonction :** *Title:* Responsible Level III		
	Adresse mail : *E-mail address:* john.gerardo@element.com		
Nature Audit *Audit Purpose*	**Sur site** *On-site audit* ☐ — **Sur Dossier(DQ)** *On DQ* ☒ — **Autre*** *Other** ☐ — **Date :** 11/26/2025		
	Evaluation *Evaluation* ☐ — **Qualification initiale** *Initial approval* ☐ — **Surveillance** *Monitoring* ☒ — **Autre*** *Other** ☐		
	***Si Autre préciser :** ** If other, please detail:*		
Thème Audit *Scope of Audit*	2025 NDT Monitoring action according to monitoring plan MP-00341		

N°PS *SP No.*	**Code essai** *Lab test code*	**Procédés** *Processes*	**Référentiel Technique** *Technical specifications*	**Décision** (1) *Decision* (1)	**PS/*SP*: Installation OU / *OR* Labo/*Lab* : Restriction technique/*Technical limitation***	**Accréditation Nadcap** *Nadcap accreditation*
4.3.3	/	Computed Radiography	DMC0050 Pr-5200	Qualifié avec DAC à clôturer/Qualified with NCR to close	See AQPS/Safran AB-AE-TS/1199	Accrédité/Accredited (eAuditnet)
4.3.2	/	Radiologic Inspection on Film	DMC0050 Pr-5200	Qualifié avec DAC à clôturer/Qualified with NCR to close		Accrédité/Accredited (eAuditnet)
4.4.1	/	FPI Sensitivity Level 2	DMC0010 Pr-5000	Qualifié avec DAC à clôturer/Qualified with NCR to close	See AQPS/Safran AB-AE-TS/0992 and 300065698	Accrédité/Accredited (eAuditnet)
4.4.2	/	FPI Sensitivity Level 3	DMC0010 Pr-5000	Qualifié avec DAC à clôturer/Qualified with NCR to close		Accrédité/Accredited (eAuditnet)
4.6.1	/	Ultrasonic Inspection of Metallic Parts	DMC0020 Pr-5100	Qualifié avec DAC à clôturer/Qualified with NCR to close	See AQPS/Safran AB-AE-TS/0993 and 300065698	Accrédité/Accredited (eAuditnet)

(1) : - Audit de qualification : Qualifié, Refusé, Suspendu, Qualifié provisoirement, Qualifié avec restriction(s), Autorisé avec surveillance / *Qualified, Failed, Withdrawn, temporary Qualified, Qualification with technical restriction(s), Authorized with enhanced monitoring*

- Audit de surveillance : Qualifié, Qualifié avec restriction(s), Qualifié avec DAC à clôturer, Qualifié avec DAC à clôturer et restriction(s), Suspendu, Autorisé avec surveillance / *Qualified, Qualification with technical restriction(s), Qualified with NCR to close, Qualified with NCR to close and restriction(s), Withdrawn, Authorized with enhanced monitoring*

Bilan des écarts et recommandations (Voir statut des écarts page 3)
Findings and recommendations balance (See findings status page 3)

Critique(s) : *Critical(s) :*	**0**	**Majeur(s)** : *Major(s) :*	**0**	**Mineur(s) :** *Minor(s) :*	**3**	**Recommandation**(s) : *Recommendation(s) :*	**0**

Fournisseur *Supplier*			**Représentant Safran** *Safran representative*		
Date :	Nom / *Name* :	Signature :	Date :	Nom / *Name* :	Signature :
11/26/2025	John Gerardo		11/26/2025	Valentin Contat	

Fonction *Title*	**Nom** *Name*	**Société** *Company*	**Catégorie de l'auditeur (Safran)** *Auditor level (Safran)*
Responsible Level 3	John Gerardo	Element Materials Tech.	/
RT/CR Level 3	Jacob Purnell	Element Materials Tech.	/
Special Processes Auditor	Valentin Contat	Safran USA	Safran

Spécifications de l'audit / *Audit Specifications*	
Référentiels techniques Safran/ Mandat *Safran technical specifications/ Mandate*	DMC0050 ; Pr-5200 ; DMC0010 ; Pr-5000 ; DMC0020 ; Pr-5100
Autres référentiels *Other specifications*	AC7114/8 ; AC7114/8S ; AC7114 ; AC7114S; AC7114/1; AC7114/1S; AC7114/3; AC7114/3S

Produits audités *Products audited*
N/A – Dq + Nadcap Review

Points Forts *Positive points*	**Points Faibles** *Weak points*
- Merit Program 18 months	- New equipment without noticing Safran companies - No Safran Job Audit performed during Nadcap since 2017

Observations éventuelles Fournisseur *Supplier Remarks (if needed)*	
/	Supplier Signature (si observations / *if remarks only*)

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Motivation de la décision *Roots of the decision*
Ind 00: Dq-5000, Dq-5100, Dq-5200 and Nadcap Audit #236176 were reviewed as 2025 NDT monitoring action following monitoring plan MP-00341. 3 NCR were found because equipment qualified are different of ones in Dq-5000, Dq-5100 and Dq-5200. These NCR will be closed when AQPS will be updated to take these change into account. Element was already contacted to have supplemental documents to update AQPS. Monitoring action will be closed after correction of these 3 NCR.
Pièces Jointes / Attachments :

Eléments analysés *Items reviewed*			
1	Nadcap Audit #236176	6	RT-002 Addm. #14 Rev. A : Radiographic Inspection Per DMC 0050
2	Dq-5200 (11 March 2025)	7	UT-001 Add. #23 Rev. N/C : SAFRAN Test Methods For Inspection Processes and Ultrasonic pulse-echo testing of metallic parts
3	Dq-5000 (29 July 2025)	8	TCI 2.0 Rev. 3.6 : Qualification & Certification of NDT Testing Personnel
4	Dq-5100 (23 January 2025)	9	
5	PT-009 Rev. 2.1: Liquid Penetrant Inspection per DMC0010	10	

Tableau des écarts
Findings table

N° de l'écart *Finding No*	**Niveau** (1) *Level* (1)	**Procédé** *Process*	**Description de l'écart** *Description of the finding*	**Responsable** *Responsible*	**Délai** *Time limit*	**Statut** *Status*
N°1	m	FPI	**According to GRM-0123 Ed 7 §5.4.1, Safran must be notified and the qualification updated in case of change in the qualification scope.** Products in Dq-5000 are not ones qualified by Safran companies.	Element	01/31/2026	Open
N°2	m	FPI	**According to GRM-0123 Ed 7 §5.4.1, Safran must be notified and the qualification updated in case of change in the qualification scope.** Somes tanks in Dq-5100 are not ones qualified by Safran companies.	Element	01/31/2026	Open
N°3	m	FPI	**According to GRM-0123 Ed 7 §5.4.1, Safran must be notified and the qualification updated in case of change in the qualification scope.** Somes vault in Dq-5200 are not ones qualified by Safran Aircraft Engines.	Element	01/31/2026	Open

(1) : m = mineur/ *minor* **M = Majeur**/ *Major* ***C=Critique*** / *Critical*

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Tableau des recommandations *Recommendations table*		
N° de la recommandation *Recommendation No.*	**Procédé** *Process*	**Description** *Description*

1. Contexte / Context

A review of the last Nadcap audit and updated Dq-5000, Dq-5200 and Dq-5100 was defined as 2025 NDT monitoring action according to MP-00341.

Dq-5000 (29 July 2025) and appendixes was reviewed. Some products on the Dq are not ones qualified by Safran. This is a deviation with GRM-0123. AQPS/Safran AB-AE-TS/0992 and AQPS/300065698 must be updated.

Dq-5100 (23 Janvier 2025) and appendixes was reviewed. 2 tanks on the Dq are not ones qualified by Safran. This is a deviation with GRM-0123. AQPS/Safran AB-AE-TS/0993 and AQPS/300065698 must be updated.

Dq-5200 (11 March 2025) and appendixes was reviewed. Some vault and tubes on the Dq are not ones qualified by Safran. This is a deviation with GRM-0123. AQPS/Safran AB-AE-TS/1199 must be updated.

PRI Nadcap audit #236176 was reviewed. Element Materials Technology Rancho Dominguez is accredited with merit program 18 months. This audit took place on between October 23rd and 31st 2024 and covered the following audit scope :

- AC7114 Rev. S
- AC7114S Rev. Q
- AC7114/1 Rev. O
- AC7114/1S Rev. P
- AC7114/2 Rev. P
- AC7114/2S Rev. P
- AC7114/3 Rev. O
- AC7114/3S Rev. P
- AC7114/4 Rev. N
- AC7114/4S Rev. Q
- AC7114/5 Rev. F
- AC7114/5S Rev. G
- AC7114/8 Rev. D
- AC7114/8S Rev. NA
- AC7000 Rev. A

Safran was identified by Element Materials Technology Hilsboro as customer but is not concerned by ET checklists, some Safran's company qualified Element Materials for MPI but this process was already audited by SLS according to ASTM-E1444

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2. Results of the Audit

Nadcap Auditor Note : *This was a great audit, however the subscriber matrix was a challenge for this audit. I woudl audit here again, this is a great facility with a great NDT and Quality team.*

NCR : 4 NCR were found during the audit, 1 major and 3 minor :

1 **Major** — Mark Aubele — Closed
[I] AC7114/1 Rev. O 17-Jun-2023 (7.1.B.1, 7.16.6) — Dec 4, 2024

During performance of compliance Job #2 the technician performing the inspection correctly swabbed indications with a cotton swab, however did not re-develop the hardware per procedure requirements.

After completion of the inspection the question was raised if the hardware required re-development and a second PT inspector as well as the L3 concurred that the hardware did need re-development according to the customer procedures.

No product impact on this job as after this conversation occurred the technician re-developed the hardware and reinspected per the procedure requirements and the indications that were swabbed were not rejectable indications. Further, this job was only a sample of the complete order, this hardware was reprocessed with the full lot by a separate technician.

Auditee must still evaluate for the potential for impact during previous inspections.

2 **Minor** — Mark Aubele — Closed
[I] AC7114/1 Rev. O 17-Jun-2023 (5.11.2.1) — Nov 28, 2024

During system performance verification of the PT line(s) the inspector was asked to demonstrate the comparison / contamination check. The inspector was not aware how to properly compare the in-use to the unused penetrant.

No product impact as after the technician asked for guidance from another level 2, the check was acceptable and records on file indicated acceptance.

3 **Minor** — Mark Aubele — Closed
[I] AC7114/8 Rev. D (6.1.1.1) — Nov 11, 2024

During review of the auditees RT Film / RT Digital Light meter calibration requirements, there was an improper flowdown to the calibration provider to provide a specific unit of measurement for the light meter.

No potential for product impact as the light meter was correctly calibrated to the correct unit from the provider.

4 **Minor** — Mark Aubele — Closed
[I] AC7114/8 Rev. D (5.7.2.1) — Nov 28, 2024

During review of the auditees Basic Spatial Resolution daily verification, the technician perfoming the test could not adequately explain how the value for the daily verification was achieved. The process that the tech performed was per procedure and they achieved acceptable results,however there was just a lack of clear understanding of what the check was establishing.

No product impact as the results were acceptable and the previous records identified compliance.

Safran is impacted by the 4 NCR. For the major NCR, even if the part inspected wasn't a Safran part, this problem can occur on Safran parts. The 4 NCR were closed by PRI staff Engineer thanks to actions taken by Element Materials team.

Job Audit : No In-process were performed on Safran products for more than 8 years. However, 2 historical were reviewed in 2024 :

Audit No	Checklist No	Customer	Suscriber	In-Process/Historical	Part Number	Specification
236176	AC7114/4 Rev. NΔ2 12Nov2023	Turbine Aero Engines Technics	SAFRAN Group	Historical	010-0548_Rev N/C	CTB 70-32-43-260-802_Rev 64 CTB 70-32-43-260-801_Rev 64
228433	AC7114/3 Rev. O	ATI Forged Products	SAFRAN Group	Historical	2503001339_Rev C	CCT 00573_Rev E AMS-STD-2154 Rev E

No deviation was reported from these two job audit.

3. Conclusion

Next Nadcap NDT audit is initiated and has the reference number #240342. It will be performed from January 13th to January 21st 2026.

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