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For the attention of Ms. C. Gagnard

Your ref. 333E  
Our ref. **ESA-TECEDC-CE-2025-003701**

**Noordwijk, 31 December 2025**  
**Subject: ESCC Qualification Certificate for Crystals**

Dear Madam,

We are pleased to inform you that, based on a review of the Lot Acceptance Test Report by the ESCC Executive, your plant in Pont Sainte Marie, France remains qualified for the supply of Crystal Units in metal holder, TO-5 Can.

Please note that, as specified in the relevant Certificate, the qualification status of the subject devices will be valid until September 2027.

If after this date, you wish to maintain the qualification status, you are required to notify your ESCC Executive Representative (ie. CNES, Toulouse) by letter, copying the ESCC Executive Secretariat (address above, Attention TEC-EDC), 2 months before the actual expiry date. At the same time, you should then provide ESCC Executive Representative with the following documents:

- Certificate of Compliance.
- List of agreed changes – if any – in manufacturing processes and/or materials used.
- List of hi-rel components supplied by your above mentioned plant during the preceding period (including the identification of the procurement testing level).
- Test evidence.

Upon receipt of these items and after investigation into your customers' experience regarding delivery times and quality of components supplied for European space projects, your ESCC Executive Representative will forward to the ESCC Executive an application for extension of Qualification Approval.



The ESCC Executive will:

- (a) if its findings are satisfactory immediately extend the qualification period by 2 years
- (b) if the situation is not satisfactory define the actions required to achieve a maintenance of qualification status.

Please be reminded that it is not permitted to mark components for space application with the ESA symbol after the qualification validity period has expired.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Al. Zadeh'.

Mr. A. Zadeh  
Head of the Avionics & EEE Division,  
Electrical Department

Encl.

cc.

L. Fontaine, CNES  
K. Lundmark, ESA, TEC-EDC



European Space Agency  
Agence spatiale européenne

## Certificate of Qualification No. 333E

This is to certify that RAKON, Pont Sainte Marie, France has been qualified by ESA for the supply of Crystal Units in Metal Holder, TO-5 Can for use in ESA space programmes, according to ESCC Generic Specification 3501 and associated Detail Specifications (Please see QPL sheet) as recommended by the Space Components Steering Board.

This certificate is valid until September 2027.

A handwritten signature in black ink, appearing to read 'Alain Zohr'.

Head of the Avionics & EEE Division,  
Electrical Department

Date  
31 December 2025