



ESA ESTEC
Keplerlaan 1
2201 AZ Noordwijk
The Netherlands

Ciretec, Elvia-group

att. R Lozada, Plant Director

Our ref.

ESA-TECMSP-LE-024944

Zone d'activités, 1 rue Jean Monnet

45130 Saint Ay, France

Noordwijk, 04/10/2021

VISA: Thomas Rohr (head of section)

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Subject: Failed audit of PCB manufacturer Ciretec

Dear Mr Lozada,

On 20 and 21 Sep 2021 ESA conducted an audit of Ciretec of Elvia-group for the company qualification renewal, as per 5.15d of ECSS-Q-ST-70-60. This was a common audit with CNES, Thales Alenia Space and Airbus DS represented in the audit team.

The outcome of this audit is declared 'failed', as minuted in ESA-TECMSP-MIN-024516. This is due several major nonconformances, points for improvement and open actions.

Ciretec completed both technology qualification renewals in 2021 as reported in ESA-TECMSP-LE-022352 and ESA-TECMSP-LE-024757, available on escies.org/pcb/. On this basis, **the qualification status of Ciretec is maintained as 'qualified'**. But a comment is added to inform customers of this failed audit. This is in-line with 5.16c of ECSS-Q-ST-70-60.

Ciretec is requested to address the audit actions and correct nonconformances. **This shall be completed by 15 Dec 2021**, at which point ESA will re-evaluate Ciretec's qualification status.

Best regards,

Stan Heltzel

Materials and Processes Section