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**Invotec Circuits Tamworth LTD**  
**att. H Swarbrick**  
**Hedging Lane**  
**Tamworth**  
**B77 5HH**  
**United Kingdom**

Our ref. QT/2014/001/SH

Noordwijk, 16/01/2014

VISA: T Ghidini (TEC-QTM), M Nikulainen (TEC-QT)  
CC: W Veith (TEC-Q), JL Lortal (CNES)

**Subject: Qualification Status of Invotec Tamworth**

Dear Mr Swarbrick,

Invotec submitted a request for ESA qualification in Oct 2010 and five samples have been submitted for evaluation as described in reports QT6517, 6696, 6905, 7296 and 7601. The non-conformances and four areas of concern have been overcome as detailed in Invotec's response to memo QT/2013/708/SH, which is included as annex 4 of the Qualification Report. Invotec has issued the Qualification Report of the rigid polyimide technology with reference SDA01, which has been approved by ESA. Invotec has issued the Product Identification Document PID with reference SM18T.iss.01, which has been approved by ESA. The Audit of Invotec facilities has been performed in accordance with ECSS-Q-ST-70-10C and the successful outcome is reported in QT/2013/732/SH.

The conclusions by ESA regarding the qualification dossier and the areas of concern are outlined in QT-2014-009-SH. The qualification excludes assembly of critical components and CCGA on via-in-pad footprints.

Invotec is considered ESA qualified in accordance with ECSS-Q-ST-70-10C for the manufacture of Printed Circuit Boards for rigid sequential polyimide PCBs in accordance with the PID SM18T.iss.01 **until 1 February 2015.**

Best regards,

Stan Heltzel

A handwritten signature in blue ink, appearing to be 'SH' or similar, enclosed in a circular scribble.

TEC-QTM Material Technology Section