

## TECHNICAL EVALUATION CRITERIA

### Tutuka LP1 Rotor - Laser Welding of Tenons and Shrouds

#### Description:

Laser Beam Welding Service is required to cut-off shrouds, replace the understrap, and weld build-up tenons and shrouds on the LP Rotor.

Requirements	Weighting Criteria [%]	Evaluation criteria [points]
References of previous laser beam weld repair projects, to demonstrate repair capabilities on FV566 (X12CrNiMoV12-3 material) Tenons and Shrouds. (at least 2)	10%	Provided 2 = 10 Provided 1 = 5 Provided none = 0
Provide WPS plus supporting PQR to laser beam weld build-up FV566 (X12CrNiMoV12-3) Shrouds. (verified by AIA)	20%	Provided and acceptable = 20 Provided and not acceptable = 0 Provided none = 0
Provide WPS plus supporting PQR to laser beam weld build-up FV566 (X12CrNiMoV12-3) Tenons. (verified by AIA)	20%	Provided and acceptable = 20 Provided and not acceptable = 0 Provided none = 0
Provide at least 2 Welders/Operators Performance Qualification Record to demonstrate that operators are qualified to perform laser welding build-ups on FV566 (X12CrNiMoV12-3) Tenons and Shrouds	15%	Provided 2 and acceptable = 15 Provided 1 and acceptable = 10 Provided none or none acceptable = 0
Provide method statement of how to fit the jig, templates and align the tenons and shrouds before, during and after welding	10%	Provided and acceptable = 10 Provided and not acceptable = 0 Not provided = 0
Provide Laser Beam Safety Plans/Requirements	10%	Provided and acceptable = 10 Provided and not acceptable = 0 Not provided = 0
Provide ISO 3834-1 certification.	5%	Provided = 5 Not provided = 0
Provide at least: 1x Welding Engineer CV with IWE registration.	5%	Provided = 5 Not provided = 0
Provide timelines for project phases.	5%	Within time limits = 5 15% over time limits = 3 More than 15% over or not provided = 0
<b>Total Score (MINIMUM THRESHOLD 75%)</b>	<b>100%</b>	

#### Comments:

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Date: 20/06/2022

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Date: 20/06/2022