

**TRACK 5: RSAF INDIGENOUS PROJECTS****“METHODOLOGY FOR THE EXTENSION OF ENGINE OVERHAUL”**

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**ABSTRACT**

In unforeseen circumstances, airlines/military operators may require the use of engines due to operational requirements. Engine overhaul extension provides immediate additional, with the acceptance of trade-offs in risks, reliability and costs. By maximizing the usage of the life limited parts in the engine, it allows the engine to operate beyond its overhaul interval. However, implementing an engine overhaul extension requires (1) a good understanding of the failure modes, effects and criticality of the engine parts, (2) technical assessment of the engines for overhaul extension with clearly defined criteria, and (3) balancing the costs of the next depot interval, forecasted reliability and technical risks. With this methodology, operators will be able to meet unforeseen operational requirements while ensuring safe operations.

**BIOGRAPHY OF SPEAKER**

By providing tailored engineering solutions for the RSAF, ME5 Kyaw Kyaw supports the F100-PW-229 engines which powers the RSAF's F-16 aircraft fleet. He is in charge of the engineering and technical issues in the F100-PW-229 engine fleet.