

Repère : MELVE/An

SESSION 2007

Durée : 2 H

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BREVET DE TECHNICIEN SUPÉRIEUR

MAINTENANCE ET EXPLOITATION DES MATÉRIELS AÉRONAUTIQUES

ÉPREUVE U2 : ANGLAIS

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REFUELLING LUCA PERUZZI / GENDA

ITALIAN AIR FORCE TO FIELD C-130J TANKER CAPABILITY

The Italian air force expects to acquire an in-flight refuelling capability for its fleet of 12 short-fuselage Lockheed Martin C-130J tactical transports by year-end, the service says.

- 5 The first aircraft from the Pisa-based 46th Airlift Brigade to be equipped with hose-and-drogue refuelling pods is currently involved in flight trials in the USA, and is expected to gain certification within the next few weeks. Once achieved, the tanker-configured aircraft will return to Italy for additional technical and operational trials to be conducted by the air force's flight-test unit at Pratica di Mare near Rome.

- 15 Italy has selected the same refuelling kit that equips the US Marine Corps' KC-130Js, including two Sargent Fletcher pods capable of refuelling fast jets, slow fixed-wing aircraft and helicopters at speeds between 105kt (195km/h) and 250kt.

- 20 Another five refuelling kits are expected to be delivered this year, with all 12 C-130Js to eventually receive the modifications.

- 25 The air force's modified aircraft will be capable of providing fuel to two aircraft simultaneously at altitudes up to 19,700ft (6,000m). Maximum offload capability will be 32,540 litres (8,600USgal) at a maximum rate of 1,130 litres/min. The aircraft will also be configured to accept a fuselage tank if required, with this to add a further 13,600 litres of fuel.

- 30 Italy's 12 C-130Js and 10 stretched-fuselage C-130J-30s have so far accumulated over 43,000 flight hours supporting national and out-of-area operations in countries such as Afghanistan and Iraq.

Source: FLIGHT INTERNATIONAL
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TRAVAIL À EFFECTUER

1 - Traduction en français 10 points

Traduisez en français les passages grisés

- titre
- lignes 15 à 35.

2 - Expression personnelle 10 points

Why is it so important to increase range and what is done, both in civil and military aviation, to achieve that?

280 à 300 mots. Indiquer le nombre de mots utilisés à la fin du travail.

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