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Birdstrike F-16 RNLAF Mazer-e-Sharif 23 Oct 2012, 16h30 local



Sources:

RNLAF Air Task Force (ATF21)

Deutsche Bundeswehr

RNLAF airbase Volkel – Technical department

MoD NLD – Maintenance Centre Woensdrecht

Albert de Hoon, RNLAF
birds@mindef.nl

J-866 in take-off, 50 ft AGL, 269 kts



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flock of small birds in flight path



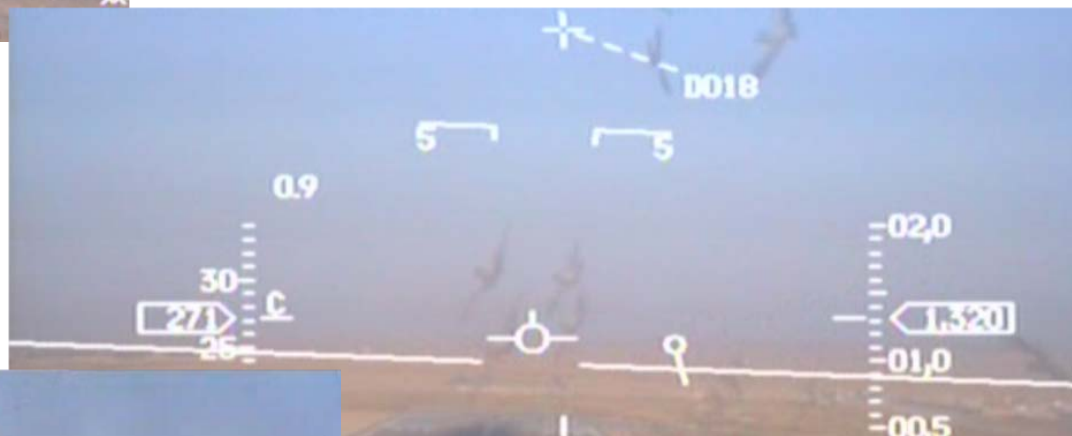
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HUD-view



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Engine hesitated momentarily,
bail out avoided, returned to MeS



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number of birds



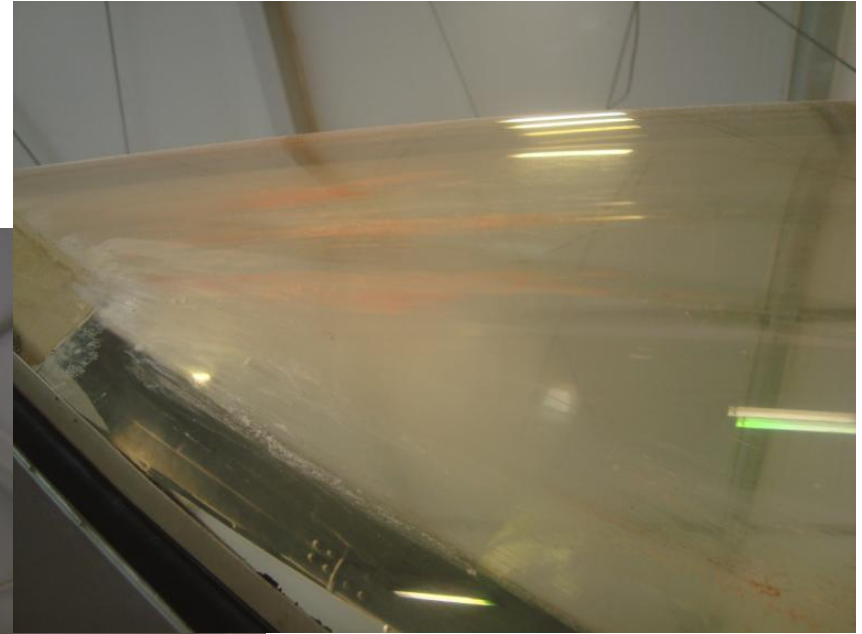
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10 blood spots on nose / canopy



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**estimated nr. of 20 birds
ingested into air intake**



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All 40 birds on the runway were
House sparrows.
1 House sparrow \approx 30 gram \approx 1 ounce



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20 House sparrows in air intake * 1 ounce = 20 ounces

Bird strike specification PW F-220E engine:

The engine shall be designed to ingest 16 birds, each weighing 2 to 4 ounces, simultaneously with the engine running at maximum power, without blockage or catastrophic failure although some damage to engine parts may occur.

“damage may occur...”:

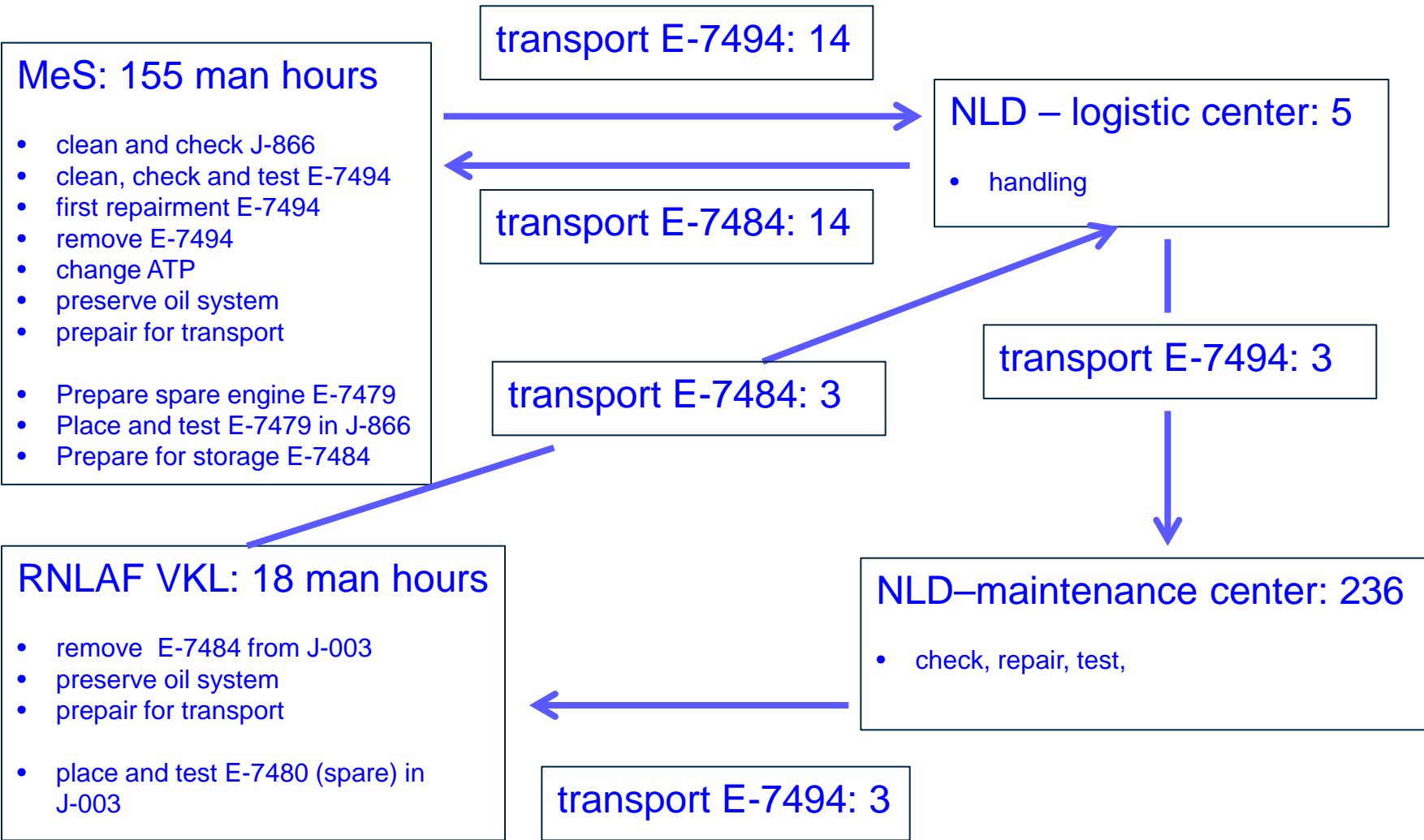


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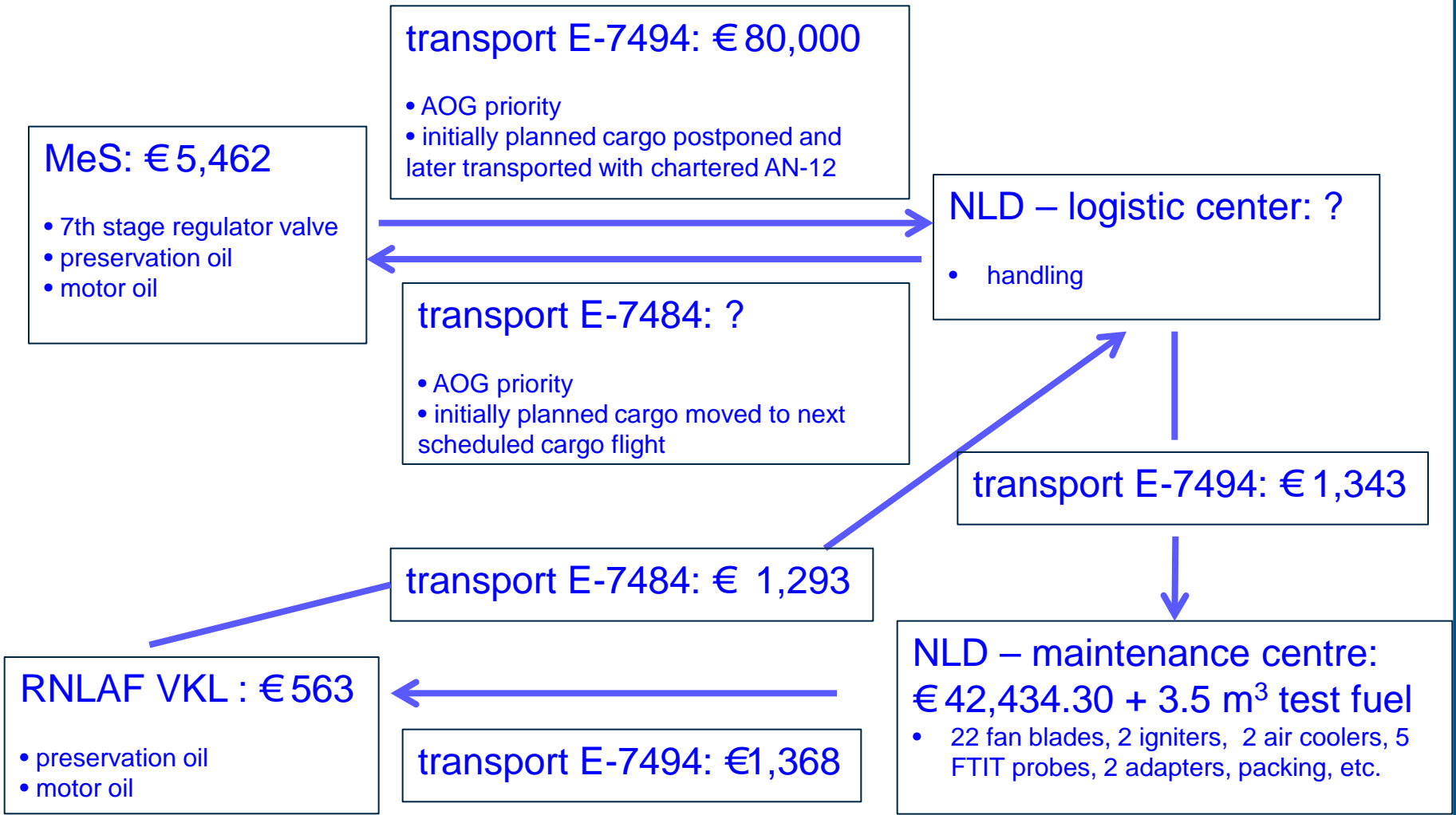


Costs:

man hours: 451



Costs:
€132,463 + ?





J-003:	1 day
E-7484:	7 days
J-866:	14 days
E-7494:	84 days