

Appendix D

To

**ADDENDUM NUMBER 4 TO THE SYSTEMS GROUP CHAIRMAN'S
FACTUAL REPORT OF INVESTIGATION - A300-600 GROUND TEST**



A300-600 - GROUND CARTS FOR HYDRAULIC SYSTEMS

HYPOTHESIS :

- FOR GREEN SYSTEM :

Max Ground Cart flow rate = 185 l/mn

- FOR BLUE SYSTEM :

Max Ground Cart flow rate = 150 l/mn

- FOR YELLOW SYSTEM :

Max Ground Cart flow rate = 150 l/mn



A300-600 - GROUND CART REQUIREMENTS

- For Blue and Yellow Systems :

Ground Carts Flow rate (150 l/mn)
higher than Engine Driven Pump (140 l/mn max).

- For Green System :

Max servo-controls consumption (max speed without
external load) on three axes :

- * ASA : 40 l/mn + 27.4 l/mn = 67.4 l/mn
- * Elevator : 14 l/mn + 14 l/mn = 28 l/mn
- * Rudder : 43 l/mn
- * Spoilers 6 : 34.7 l/mn (ext) + 26.4 l/mn (retract) = 61.1 l/mn
- * Internal leakage from THSA = 1 l/mn

TOTAL for Green system = 200.5 l/mn

Note : If green system flow demand is higher than ground cart availability, the surfaces will be moved by the blue and yellow systems for ASA, Elevator and Rudder.
