

~~EYES ONLY~~
~~AQUILINE~~

1. C/AP/ORD *HTH*
2. D/ORD *Rue*
3. AP/ORD/File

~~AQUILINE~~
~~EYES ONLY~~

~~SECRET~~
EYES ONLY

AQUILINE

ORD-3892-66

26 September 1966

MEMORANDUM FOR THE RECORD

SUBJECT: AP/ORD-RP/ORD R&D Commonality Coordination Meeting

The subject meeting was held in the ORD Conference Room on 21 September 1966 to discuss possible areas of common R&D interest between AP/ORD and RP/ORD. The meeting was called and chaired by [redacted] Those in attendance were:

David L. Christ, C/AP/ORD

[redacted]
Frank A. Briglia, AP/ORD

[redacted]
Arthur E. Boland, RP/ORD

[redacted]

Of particular interest were the various requirements for the subsystems of Project AQUILINE.

Communications.

AQUILINE requirements were discussed, and it was pointed out that the program for development consisted of three phases.

1. I.O.C. test range commo. provided by off-the-shelf hardware and not intended to provide an operational capability.
2. Short range [redacted] system study and development program.
3. Long range [redacted] system study and development program.

RP/ORD discussed the applicability of their O.T.H. radar as a possible commo link for this system. It was determined that additional discussion in this area would be fruitful and

~~SECRET~~
EYES ONLY

~~SECRET~~

GROUP 1
Excluded from automatic
downgrading and
declassification

~~SECRET~~
EYES ONLY**AQUILINE**

a meeting was set for Friday, 23 September 1966. In this meeting, AP/ORD will specifically define AQUILINE commo requirements; RP/ORD will respond with details of the O.T.H. radar in an attempt to establish a match.

On Board Data Processing.

Although RP/ORD has a capability in this area, it was agreed that the AQUILINE requirements are so peculiar to its mission as to not allow a practical separation of the data processing from the on board information gathering, preparation and transmit link.

Navigation.

The possibility of using O.T.H. radar in the navigation mode was discussed with general agreement as to its practicability. Mr. Arthur Boland was invited to sit in on the 23 September meeting to represent RP/ORD on continued discussions in this area.

Advanced Platforms.

AP/ORD and RP/ORD have slightly different missions in the area of advanced platform research. However, some duplication of effort was detected in the common interest in the Coanda Effect as a means of generating lift. It was agreed that RP/ORD would pursue the general studies in this area, with AP/ORD limiting itself to the application of the Coanda Effect to the AQUILINE vehicle.

TV-Eye.

A brief discussion on the TV-Eye proceeded only to the determination that more contact between AP/ORD and O/ORD was needed in order to assure optimum use of funds and personnel on the problem. A meeting between the parties will be set for the near future.

FRANK A. BRIGLIA
AP/ORD/DD/S&T

~~SECRET~~
EYES ONLY~~SECRET~~

~~SECRET~~
~~EYES ONLY~~

AQUILINE

Distribution:

Original - AP/ORD/File

- 1 -
- 1 - Arthur E. Boland, RP/ORD
- 1 -
- 1 -

AP/ORD/DD/S&T/Frank A. Briglia:p1/3486

3
~~EYES ONLY~~
~~SECRET~~