Mk Q – No need for battery

Mk Q/5 Alt –
7-29 – New AF + EF with Mk5
requires power during the entire flight
2 batteries → low voltage, long-life
→ stored then negative voltage.
– plan to have -ve volt battery above of AF + EF
unless proved not in old AF + EF
E556 → Environmental – Sensing Signal Generator
7-34 – battery will use cobalt disulfide technology
→ for modular OS application, the very low voltage long
life battery must be installed early in mission flight.
Since the Mk5/OS battery with signal is available on
only some of the Mk5 positions, a C-Tube
actuator is required. The C-Tube actuator
should have a mechanical unlock mechanism
The actuator will be controlled the RA. (Relay Assembly)

• MMA – 20% increase in reliability budget weights [pm not for current MMA]

9-10 – effect Analysis
– "assumed that the MOBs of a MMA would be the changed from those of the W76/MMA."
– One Steady assumed Weapon System Reliability of 0.89 for all missiles.

9-12 – SSPK – airburst – blast overpressure
For MMA candidate – radar fuze with option Kollmorgen
12 MMA candidate – RUPC used.

9-14 – W76/MMA + surfaced subs type
→ with CA no longer a challenge

9-16 – SSPK for GBC8 – SS-11 5,000 psi
9-21 'other military assumed an important target set for MMA

7-43 MC 2912 AFXF

"The fuze settings in the existing AFXF are not optimal + changing these settings would improve the effectiveness of day & than candidate"

7-45 - Antenna for new AFXF

→ new AFXF is based on WFF radar tech, MK5 radar - still keep ~~[illegible]~~ antenna from the MK4 antenna designed for

∴ (a) operate new radar at MK4 freq

or (b) operate at MK5 freq → not compatible with MK4 antenna cavities

→ ~~option~~ not get evaluated.

- existing missiles would not need to be changed.

→ performance of modified system would not be as precise as MK5 - but could be better than MK4.

7-5 static warps + trajectory options