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U. S. NAVAL TECHNICAL MISSION TO JAPAN
CARE OF FLEET POST OFFICE
SAN FRANCISCO, CALIFORNIA

7 January 1946

RESTRICTED

From: Chief, Naval Technical Mission to Japan.
To : Chief of Naval Operations.

Subject: Target Report - Japanese Communications Systems.

Reference: (a)"Intelligence Targets Japan" (DNI) of 4 Sept. 1945.

1. Subject report, covering Target E-11 of Fascicle E-1 of reference (a), is submitted herewith.
2. The investigation of the target and the target report were accomplished by Lt. Comdr. M.C. Mains, USN (ret.).



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E-11

JAPANESE COMMUNICATION SYSTEMS

"INTELLIGENCE TARGETS JAPAN" (DNI) OF 4 SEPT. 1945

FASCICLE E-1, TARGET E-11

DECEMBER 1945

U.S. NAVAL TECHNICAL MISSION TO JAPAN

SUMMARY

ELECTRONICS TARGETS

JAPANESE COMMUNICATION SYSTEMS

So far as the Japanese Navy is concerned, there were no unusual developments in communication systems. There was no use of television, facsimile, frequency or pulse modulation. No notable progress had been made in these fields by Army or civilian agencies, either. However, descriptions of one laboratory pulse-modulation system and one frequency-modulation link in the range 550-670 Mcs will be found in the referenced ATIC and TLID reports. A full description of a fighter-director system is contained in ATIC Report #169.

What few noteworthy features were found in Japanese communication equipment (as distinguished from systems) have been covered in NavTecnJap Report - "Japanese Radio Equipment", Index No. E-08.

Close liaison was maintained with the Electronics Section of the Air Technical Intelligence Group, FEAF, and with the Technical Liaison and Investigation Department, Office of Chief Signal Officer, ICAF, to insure full coverage of this target without duplication of effort. All noteworthy points have been covered either in the reports of those agencies or in the other reports on electronic subjects made by this Mission.

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REFERENCES

Reports of Air Technical Intelligence Group, Advanced Echelon, Far Eastern Air Forces (ATIG):

- a. ATIG #169 - A Japanese Fighter Control System (Tachi 28, Taki 38).
- b. ATIG #255 - Japanese FM Radio Relay Equipment, Operating in the Frequency Range of 550-670 Mcs.
- c. ATIG #277 - List of Miscellaneous Electronics Documents (Sent to Air Documents Division T-2 Wright Field).
- d. ATIG #278 - ATIG Electronics Section, Organization, List of Reports and Equipment Shipped.

Reports of Technical Liaison and Investigation Department, OC Sig O, Supreme Commander Allied Powers (TLID).

- a. Letter of 3 December 1945 on Pulse Communication System. (G-2, SCAP #R-38). (Available through G-2, War Department, Washington, DC).