

Message Text

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E.O.11652: GDS

TAGS: ETEL, MARR, DA, FO

SUBJECT: CLARINET PILGRIM

REF: A. COPENHAGEN 1335 B. COPENHAGEN 1506

LONDON FOR COAST GUARD

1. ORIGINAL PREFERENCE WAS FOR CLARINET PILGRIM INSTALLA-
TION AT SANDUR (ICELAND) EJDE (FAEROES) AND BQ (NORWAY).
BECAUSE OF POSSIBLE SENSITIVITY OF NATO ISSUE AT TIME OF
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FAEROES ELECTION AND DANISH GOVERNMENT ADVICE NOT TO PROCEED,
EJDE PROPOSAL WAS DROPPED. THUS, JAN MAYEN WAS SUBSTITUTED
AS SECOND PREFERENCE AND PROJECT PROCEEDED ON THAT BASIS.

2. IN VIEW OF FACT THAT GREDAL BELIEVES MORE FAVORABLE CLIMATE IN FAEROES AND THAT DANISH GOVERNMENT MAY NOW BE WILLING CONSIDER CLARINET PILGRIM AND BECAUSE THE PREFERENCE FOR EJDE DUE TO SUPERIOR OPERATIONAL BENEFITS, EMBASSY SHOULD MOVE AHEAD ON ITS RECOMMENDATION OF FURTHER EXPLORATIONS WITH DANISH GOVERNMENT. RECOGNIZE THAT HELLEBUST INQUIRY WILL RESULT IN DELAY IN REACHING DECISION ON EJDE. THIS PROVIDES OPPORTUNITY, HOWEVER, INFORMALLY AND UNHURRIEDLY TO SOUND

OUT DANISH VIEWS AND REACTIONS. CONCUR IN INFORMAL AND CONFIDENTIAL BRIEFINGS FOR RUTH PETERSON OF FAEROE AFFAIRS AND TORBIN FROST OF MFA'S NATO OFFICE OR OTHERS YOU CONSIDER NECESSARY, ON CURRENT STATUS OF CLARINET PILGRIM PROGRAM IN NORTH ATLANTIC REGION. TEXT BELOW PROVIDES FACTUAL INFORMATION FOR BRIEFING.

3. RECOGNIZE THAT IN DUE COURSE WE MAY WISH NEGOTIATE AGREEMENT OPENLY AND PUBLICLY BUT FOR TIME BEING WE WISH MAINTAIN CONFIDENTIAL CLASSIFICATION.

4. IN CONNECTION WITH FOREGOING, AS EMBASSY WILL RECALW, HAI SLIP PROMISED GREDAL THAT HE WOULD BE GIVEN ADVANCE NOTICE, IF POSSIBLE, OF PROJECTED DISCUSSIONS CONCERNING CLARINET PILGRIM BY EMBASSY. THEREFORE, UNLESS THERE IS SOME OBJECTION, EMBASSY SHOULD INFORM GREDAL OF ITS INTENTION TO APPROACH DANISH GOVERNMENT THROUGH DIPLOMATIC CHANNEL.

5. FOLLOWING IS SUGGESTED DRAFT TEXT OF NOTE WHICH WE WOULD PROBABLY USE IN FORMAL PROPOSAL OF CLARINET PILGRIM INSTALLATION AT EJDS WHEN TIME COMES. WOULD APPRECIATE ANY COMMENTS YOU WISH TO MAKE ON DRAFT.

BEGIN TEXT

TRANSMITTING STATIONS OF THE LORAN-C RADIONAVIGATION SYSTEM ARE NOW OPERATING IN NORTH ATLANTIC REGION, IN NORWAY
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AT JAN MAYEN AND BQ, IN ICELAND AT SANDUR, IN DENMARK AT EJDE (FAEROES), IN ANGISSOQ (GREENLAND) IN WEST GERMANY AT SYLT, AND AT CAPE RACE, NEWFOUNDLAND. STATIONS ALL OPERATE ON FREQUENCY OF 100KHZ IN ACCORDANCE WITH INTERNATIONAL REGULATIONS, AND AS AGREED IN BILATERAL AGREEMENTS BETWEEN RESPECTIVE COUNTRIES AND UNITED STATES. THESE STATIONS ARE NOW USED ONLY FOR NAVIGATIONAL AND TIME DISTRIBUTION OR SYNCHRONIZATION PURPOSES.

A SYSTEM, NOW GENERALLY REFERRED TO AS CLARINET PILGRIM, HAS BEEN IN USE IN NORTHWEST PACIFIC LORAN-C CHAIN SINCE 1968. IT WAS PREVIOUSLY EXPERIMENTALLY TESTED IN NORTH ATLANTIC REGION, AND WOULD ACCOMMODATE COMMUNICATIONS IN

ADDITION TO THOSE NAVIGATIONAL AND SYNCHRONIZATION USES OF PRESENT NORTH ATLANTIC REGIONAL RADIONAVIGATION SYSTEM. CLARINET PILGRIM HAS NOW BEEN IN OPERATION IN THE PACIFIC FOR APPROXIMATELY SEVEN YEARS. IN THIS PERIOD, WE HAVE ASCERTAINED THAT THERE HAVE BEEN NO INCIDENTS OF INTERFERENCE TO NAVIGATIONAL USES OF SYSTEM. FURTHERMORE, THERE

HAVE BEEN NO REPORTS OF INTERFERENCE TO OTHER COMMUNICATION SERVICES.

ADDITIONAL COMMUNICATION CAPABILITY IS URGENTLY REQUIRED IN NORTH ATLANTIC REGION. EXISTING NAVY FLEET BROADCAST TRANSMITTERS DO NOT HAVE ENOUGH POWER OR CAPACITY TO COVER ALL OCEAN AREAS. ALSO, WE WOULD WISH TO HAVE COMMUNICATIONS BETWEEN VARIOUS STATIONS OF THE NORTH ATLANTIC LORAN-C RADIONAVIGATION SYSTEM. BY INTEGRATING CLARINET PILGRIM INTO EXISTING NORTH ATLANTIC LORAN-C TRANSMITTING STATIONS ADDITIONAL TRANSMISSIONS WOULD BE PROVIDED FOR AND WOULD PRECLUDE NEED TO CONSTRUCT ADDITIONAL LOW FREQUENCY HIGH POWER COMMUNICATION TRANSMITTING FACILITIES.

BY EMPLOYING DUAL USE OF LORAN-C EMISSIONS, FOR NAVIGATION AND FOR COMMUNICATIONS, WE WILL BE ABLE TO MAKE MORE EFFICIENT AND ECONOMICAL USE OF RADIO FREQUENCY SPECTRUM AND RELIEVE ALLOCATION DEMANDS OF THIS VALUABLE WORLD-WIDE RESOURCE. IT IS IN ACCORDANCE WITH INTERNATIONAL ALLOCATION PROVISIONS FOR THE ASSIGNED LORAN-C FREQUENCY OF 90-100 KHZ. COMMUNICATIONS WILL BE APPLIED SO AS NOT CONFIDENTIAL

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TO CHANGE NAVIGATIONAL CAPABILITY OF SYSTEM. OBLIGATION NOT TO CAUSE HARMFUL INTERFERENCE TO OTHER SERVICES IN SAME, OR ADJACENT, FREQUENCY BANDS WOULD REMAIN UNCHANGED.

WE PROPOSE TO COMMENCE BY PROVIDING FOR U.S. NAVY FLEET BROADCAST SERVICES. IF FOUND TO BE DESIRABLE AND TECHNICALLY AND OPERATIONALLY FEASIBLE, ADDITIONAL CHANNELS MIGHT BE ADDED FOR INTER-STATION (LORAN-C) COMMUNICATIONS AND/OR FOR OTHER OFFICIAL COMMUNICATIONS REQUIREMENTS, TO MUTUAL BENEFIT OF BOTH DENMARK AND UNITED STATES.

CLARINET PILGRIM DOES NOT REQUIRE INCREASED POWER, NEW BUILDINGS, OR NEW ANTENNAS, AND CAN BE OPERATED AND MAINTAINED WITH NO INCREASE IN STATION PERSONNEL. CLARINET PILGRIM EQUIPMENT REQUIRED IS RELATIVELY SMALL AND CAN READILY BE ACCOMMODATED WITHIN EXISTING LORAN-C STATIONS.

IN ORDER TO PROVIDE OPTIMUM CLARINET PILGRIM COMMUNICATIONS SERVICE IN NORTH ATLANTIC REGION, CLARINET PILGRIM INSTALLATIONS ARE NOW BEING PLANNED FOR LORAN-C STATIONS LOCATED IN NORWAY AT JAN MAYEN AND BQ, AND IN ICELAND AT SANDUR. WE HAVE SOUGHT AND RECEIVED APPROVAL FOR INSTALLA-

TION AT SANDUR, ICELAND. APPROVAL BY GOVERNMENT OF NORWAY FOR INSTALLATIONS AT JAN MAYEN AND BQ IS EXPECTED IN DUE COURSE.

THEREFORE, IN ORDER TO COMPLETE CLARINET PILGRIM INSTALLATION PLANNING, AND TO MEET URGENT COMMUNICATIONS REQUIREMENT, WE REQUEST YOUR ADVICE AND ASSISTANCE FOR INSTALLATION OF CLARINET PILGRIM EQUIPMENT IN LORAN-C TRANSMITTING STATION LOCATED IN EJDE IN FAEROES. INITIAL OPERATIONAL TESTING WOULD BE UNDER TECHNICAL AND OPERATIONAL GUIDANCE OF COMMANDER, U.S. COAST GUARD ACTIVITIES, EUROPE. THAT COMMAND IS LOCATED IN LONDON, AND MAINTAINS CLOSE CONTACT WITH RESPONSIBLE DANISH AUTHORITIES IN ALL MATTERS CONCERNING LORAN-C.

IT IS INTENDED THAT TRAINING OF PERSONNEL AT THE EJDE STATION IN OPERATION AND MAINTENANCE OF CLARINET PILGRIM EQUIPMENT WILL BE ACCOMPLISHED AT STATION. END TEXT. KISSINGER

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