

Message Text

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ORIGIN EB-07

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FM SECSTATE WASHDC

TO TLX 261 969 (MINPOSTEL IDN) BRITISH POST

OFFICE LONDON ENGLAND

UNCLAS STATE 060114

E.O. 11652: N/A

TAGS: ETEL, ITU, UK, US

SUBJECT: COORDINATION OF ASSIGNMENT TO DECCA ON

100 KHZ (MINI-LORAN-C).

FOR PRINCIPAL, AERONAUTICAL AND MARINE BRANCH

1. THIS IS IN REPLY TO YOUR TELEX OF 3 MARCH 1975,
REGARDING THE USE OF 100 KHZ. WE ARE PLEASED TO AGREE
TO THE PROPOSED USE ON A TEST AND DEVELOPMENT BASIS,
UNDER THE FOLLOWING CONDITIONS:

A. THE PROPOSED AUTHORIZATION IS ON THE BASIS THAT
NO HARMFUL INTERFERENCE IS CAUSED BY IT TO THE SERVICE
OF STANDARD LORAN-C CHAINS OPERATING ON 100 KHZ, AND
THAT IF INTERFERENCE SHOULD OCCUR, YOUR LICENSEE WILL
MAKE THE NECESSARY MODIFICATIONS OR TERMINATE
TRANSMISSIONS UNTIL THE INTERFERENCE IS REMOVED;

B. AUTHORIZATION IS FOR A SINGLE STATION AT PETERHEAD,
SCOTLAND (COORDINATES 57 DEG 33' 20"N, 01 DEG 48' 20"W);

C. THE PEAK RADIATED POWER LEVEL WILL NOT EXCEED
1000 WATTS;

D. THE RADIATED SIGNAL WILL CONSIST OF A GROUP OF 8
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PULSES SPACED 1000 MICROSECONDS APART AT A GROUP

REPETITION INTERVAL OF 77,700 MICROSECONDS, WITH AN

ENVELOPE SHAPE SIMILAR TO THE STANDARD LORAN-C PULSE;

E. THE PHASE CODING WILL BE EITHER 0 DEG (PLUS)
OR 180 DEG (MINUS), WITH THE CODING FORMAT REPEATING
ITSELF EVERY TWO INTERVALS, WILL CONTAIN AN
EQUAL NUMBER OF PLUSSES AND MINUSES IN EACH FORMAT
AND WILL HAVE A CROSS CORRELATION OF NEARLY ZERO WITH
RESPECT TO LORAN-C PHASE CODE WHEN AVERAGED OVER 1 OR
2 SECONDS.

2. THIS AGREEMENT IS MADE UNDER THE PROVISIONS OF
NO. 166 OF THE RADIO REGULATIONS. WE SHALL EVALUATE
SIMILAR REQUESTS IN THE FUTURE FOR THE USE OF 100 KHZ,
SUCH AS FOR EAST ANGLIA, ON A CASE-BY-CASE BASIS-
REGARDS. SECSTATE, TLX 440080 INGERSOLL

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