

# U. S. COAST GUARD LORAN-C TERMINATION CEREMONY SCRIPT

Time: 2000Z (1500 est)

Date: 08 Feb 2010

Location: NAVCEN with participating units on phone bridge.

**SETUP:** On February 8<sup>th</sup> 2010, at 1800Z (two hours prior to 2000Z) every LORAN station in the U.S. along with LORSTA Williams Lake in Canada and LSU will reconfigure their timing equipment per the procedures provided by LSU. At 1600Z on 08 February LSU will come on air in tolerance 9960-TANGO and on their test rate of 8090-MASTER. Thirty minutes prior to 2000Z (1930Z) all U.S. LORAN stations, Lorsta Williams Lake, LSU and NAVDET will call into the phone bridge and roll call will be conducted. Once each station responds to NAVCEN's roll call they will mute their phones to prevent excessive noise on the line. If a station encounters a problem with their phone line during the course of the ceremony they will immediately call the NAVCEN East watch stander via cell to report the problem and will remain on that line for the duration of the ceremony if necessary (telephone number and pass-code for phone bridge provided by NAVCEN). **LORSTA'S will follow COCO provided signal termination instructions.**

**1940Z: EXECUTIVE OFFICER:** “Ladies and gentlemen, in order to preserve the dignity of this ceremony, I ask all those carrying cell phones or portable electronic devices to place them in silent mode. For those on the phone bridge, please keep your phone muted as necessary. [pause briefly]

**1941Z: EXECUTIVE OFFICER:** “Prepare for arrival of the official party.” “ATTENTION ON DECK”

“Please be seated”

“Good afternoon. I am CDR Mark Sanders, Executive Officer of the USCG Navigation Center. Welcome. Also, included in this ceremony and participating remotely via phone bridge is the Navigation Center Detachment in Petaluma, Calif, Loran Support Unit, Wildwood, NJ, all 24 Loran stations located throughout the continental United States and Alaska

and our Canadian partners at Williams Lake, British Columbia and St. Anthony, Newfoundland. “

This ceremony will terminate the LORAN-C signal marking the end of an era that has well served the positioning, navigation and timing users for over 60 years. I welcome you and thank you for being a part of today’s ceremony.

**1944Z: EXECUTIVE OFFICER:** “Commanding Officers, Officers in Charge along with our International Canadian Partners at all LORAN Stations broadcasting the U.S. LORAN-C signal, please standby to secure the United States LORAN-C signal. Our presiding official for this ceremony, Vice Admiral Robert J. Papp, Commander, Coast Guard Atlantic Area, will first address the crews.”

**1945Z: PRESIDING OFFICIAL REMARKS:** TBD

**1959Z: NAVCEN CO:** turns to the presiding official, salutes and requests permission to secure broadcasting the U.S. LORAN-C signal.

**PRESIDING OFFICIAL:** Permission granted!

**2000Z: NAVCEN CO:** “All stations broadcasting the United States LORAN-C rates 7960, 7980, 8290, 8970, 9610, 9940, 9960, and 9990, you are ordered to now secure your signal broadcasts.”

**All Station Respond:** Aye, Aye sir.

**EXECUTIVE OFFICER:** We will now pause briefly to await word the LORAN stations have terminate their respective signal broadcasts. The Chain Operations Control Officers will then conduct a roll call via the phone bridge to confirm their respective LORAN chains have been terminated.

**NAVCEN WS:** Once ALL stations complete reporting via TTY the NAVCEN WS will report “**All U. S. LORAN-C chains are ready to report**”.

## INITIATE SHUTDOWN

**NAVCEN WS's:** Coincident with the NAVCEN CO's order to secure the signal, NAVCEN & NAVDET watch standers will issue the "command to secure" for all stations and all rates over the TTY (script below). The stations broadcasting the Canadian and Russian rates will continue to broadcast on those rates (Nantucket, Caribou, George, Attu and Shoal Cove).

**ALL STATIONS:** The stations immediately secure all rates **by following station specific instructions previously provided to each unit.** The stations will then immediately begin reporting via TTY for each station and each rate that their signals are secured using the verbiage per the script below. Each station in each rate will report in the order precedence below in order to not step on each other. Stations are required to monitor the TTY to see when the station before finishes reporting before the next station can report in the order.

### \*\*\* SCRIPT FOR TTY REPORTING \*\*\*

**- Notify Chains to standby for termination command;**

NET DE CM STBY TO SECURE LORANC (Notifies entire chain).

**- Execute Termination and Response commands;**

**9960 NEUS**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE CA LORANC SIGNAL 9960W OA ATT

CM DE NA LORANC SIGNAL 9960X OA ATT

CM DE CB LORANC SIGNAL 9960Y OA ATT

CM DE DA LORANC SIGNAL 9960Z OA ATT

CM DE SE LORANC SIGNAL 9960M OA CHAIN SECURE ATT

**7980 SEUS**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE GA LORANC SIGNAL 7980W OA ATT

CM DE RA LORANC SIGNAL 7980X OA ATT

CM DE JU LORANC SIGNAL 7980Y OA ATT  
CM DE CB LORANC SIGNAL 7980Z OA ATT  
CM DE MA LORANC SIGNAL 7980M OA CHAIN SECURE ATT

**8970 GLKS**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE MA LORANC SIGNAL 8970W OA ATT  
CM DE SE LORANC SIGNAL 8970X OA ATT  
CM DE BA LORANC SIGNAL 8970Y OA ATT  
CM DE BC LORANC SIGNAL 8970Z OA ATT  
CM DE DA LORANC SIGNAL 8970M OA CHAIN SECURE ATT

**9610 SOCUS**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE GI LORANC SIGNAL 9610V OA ATT  
CM DE NV LORANC SIGNAL 9610W OA ATT  
CM DE LC LORANC SIGNAL 9610X OA ATT  
CM DE RA LORANC SIGNAL 9610Y OA ATT  
CM DE GA LORANC SIGNAL 9610Z OA ATT  
CM DE BC LORANC SIGNAL 9610M OA CHAIN SECURE ATT

**8290 NOCUS**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE BD LORANC SIGNAL 8290W OA ATT  
CM DE GI LORANC SIGNAL 8290X OA ATT  
CM DE WL LORANC SIGNAL 8290Y OA ATT  
CM DE HA LORANC SIGNAL 8290M OA CHAIN SECURE ATT

**9940 USWC**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE GE LORANC SIGNAL 9940W OA ATT  
CM DE MT LORANC SIGNAL 9940X OA ATT  
CM DE SL LORANC SIGNAL 9940Y OA ATT  
CM DE FN LORANC SIGNAL 9940M OA CHAIN SECURE ATT

**7960 GOA**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE NA LORANC SIGNAL 7960X OA ATT  
CM DE SH LORANC SIGNAL 7960Y OA ATT  
CM DE KP LORANC SIGNAL 7960Z OA ATT  
CM DE TK LORANC SIGNAL 7960M OA CHAIN SECURE ATT

**9990 NORPAC**

**NET DE CM SECURE LORANC AS PER OP COM ORDER**

CM DE AT LORANC SIGNAL 9990X OA ATT  
CM DE PC LORANC SIGNAL 9990Y OA ATT  
CM DE CA LORANC SIGNAL 9990Z OA ATT  
CM DE SP LORANC SIGNAL 9990M OA CHAIN SECURE ATT

**\*\*\* SCRIPT FOR PHONE BRIDGE REPORTING \*\*\***

NAVCEN will then begin roll calling for each station in each chain to report securing their signal over the phone bridge (respective COCOs will conduct chain roll call). Each station will respond in kind as listed below. **Example follows:** “This is LSU, 9960 Tango is secured”; then Caribou will respond, “this is Caribou, 9960 Whiskey is secured”, etc.

COCO’s will call out each chain one at a time to report as follows:

**NEUS COCO: “9960 NORTH EAST US CHAIN REPORT”**

LSU: 9960-TANGO secured  
Caribou: 9960-WHISKEY secured  
Nantucket: 9960-XRAY secured  
Carolina Beach: 9960-YANKEE secured  
Dana: 9960-ZULU secured  
Seneca: 9960-MASTER secured;  
**North East US chain has been secured**

**SEUS COCO: “7980 SOUTH EAST US CHAIN REPORT”**

Grangeville: 7980-WHISKEY secured  
Raymondville: 7980-XRAY secured

Jupiter Inlet: 7980-YANKEE secured  
Carolina Beach: 7980-ZULU secured  
Malone: 7980-MASTER secured;  
**South East US chain has been secured**

**GLKS COCO: “8970 GREAT LAKES CHAIN REPORT”**

Malone: 8970-WHISKEY secured  
Seneca: 8970-XRAY secured  
Baudette: 8970-YANKEE secured  
Boise City: 8970-ZULU secured  
Dana: 8970-MASTER secured;  
**Great Lakes chain has been secured**

**SOCUS COCO: “9610 SOUTH CENTRAL US CHAIN REPORT”**

Gillette: 9610-VICTOR secured  
Searchlight: 9610-WHISKEY secured  
Las Cruces: 9610-XRAY secured  
Raymondville: 9610-YANKEE secured  
Grangeville: 9610-ZULU secured  
Boise City: 9610-MASTER secured;  
**South Central US chain has been secured**

**NOCUS COCO: “8290 NORTH CENTRAL US CHAIN REPORT”**

Baudette: 8290-WHISKEY secured  
Gillette: 8290-XRAY secured  
Williams Lake: 8290-YANKEE secured  
Havre: 8290-MASTER secured;  
**North Central US chain has been secured**

**USWC COCO: “9940 US WEST COAST CHAIN REPORT”**

George: 9940-WHISKEY secured  
Middletown: 9940-XRAY secured  
Searchlight: 9940-YANKEE secured  
Fallon: 9940-MASTER secured;  
**US West Coast chain has been secured**

**GOA COCO: “7960 GULF OF ALASKA CHAIN REPORT”**

Narrow Cape: 7960-XRAY secured  
Shoal Cove: 7960-YANKEE secured  
Port Clarence: 7960-ZULU secured  
Tok: 7960-MASTER secured;  
**Gulf of Alaska chain has been secured**

**NORPAC COCO: “9990 NORTH PACIFIC CHAIN REPORT”**

Attu: 9990-XRAY secured  
Port Clarence: 9990-YANKEE secured  
Narrow Cape: 9990-ZULU secured  
St. Paul: 9990-MASTER secured;  
**North Pacific chain has been secured**

**NEUS COCO: “8090 MASTER TEST RATE REPORT”**

LSU: 8090-MASTER test rate secured

**OPS OFFICER: “NAVIGATION CENTER DET REPORT”**

**NAVDET Control Station:** “NAVDET Control Station confirms all United States Loran-C signals for the west coast and Alaska chains have been secured.”

**OPS OFFICER: “NAVIGATION CENTER REPORT”**

**NAVCEN Control Station:** “NAVCEN Control Station confirms all United States Loran-C signals for the central United States and east coast chains have been secured.”

**OPS OFFICER:** “LORAN Stations temporarily operating in support of international agreements report!”

**Caribou -** “LORSTA Caribou on-air and in tolerance on international rate 5930-Master”

**Nantucket –** “LORSTA Nantucket on-air and in tolerance on international rate 5930-Xray”

**George** - “LORSTA George on-air and in tolerance on international rate 5990-Yankee ”

**Shoal Cove** - “LORSTA Shoal Cove on-air and in tolerance on international rate 5990-Xray”

**Attu** - “LORSTA Attu on-air and in tolerance on international rate 5980-Xray”

**OPS OFFICER**: Turns and salutes NAVCEN CO and reports:

“Sir, all United States Loran-C signals and chains have been secured and the five remaining international supporting stations are on-air and intolerance.”

**NAVCEN CO**: Turns to presiding official, salutes and reports:

“Sir, The United States Loran-C signal has been terminated.”

**PRESIDING OFFICIAL RESPONDS**: “Very well”

**NAVCEN CO REMARKS TO THE STATIONS**: “TBD”

**EXECUTIVE OFFICER**: This concludes the LORAN-C signal termination ceremony. Thank you for attending here at NAVCEN and those calling in remotely. NAVCEN is now signing off the phonebridge.

Refreshments and cake are available on the quarterdeck.