



U.S. Department of  
Transportation  
**Federal Aviation  
Administration**

# Advisory Circular

Subject: **GUIDELINES FOR THE OPERATIONAL  
USE OF LORAN-C NAVIGATION  
SYSTEMS OUTSIDE THE U.S. NATIONAL  
AIRSPACE SYSTEM (NAS)**

Date: **6/15/93**

AC No: **90-92**

Initiated by: **AFS-430** Change: 1

**1. PURPOSE.** This Change corrects a graphical layout error in the original issuance of AC **90-92**. The Change number and date of the changed material are carried at the top of the page.

**2. PRINCIPAL CHANGES.** The original issuance of AC **90-92** contained graphical errors on pages **17** and **18** of Appendix **1**. These errors were related to LORAN-C **NAS** coverage diagrams.

## PAGE CONTROL CHART

Remove Pages	Dated	Insert Pages	Dated
Appendix 1, page 17	<b>2/5/93</b>	Appendix 1, page 17	<b>6/15/93</b>
Appendix 1, page 18	<b>2/5/93</b>	Appendix 1, page 18	<b>6/15/93</b>

  
W. J. White

Deputy Director, Flight Standards Service



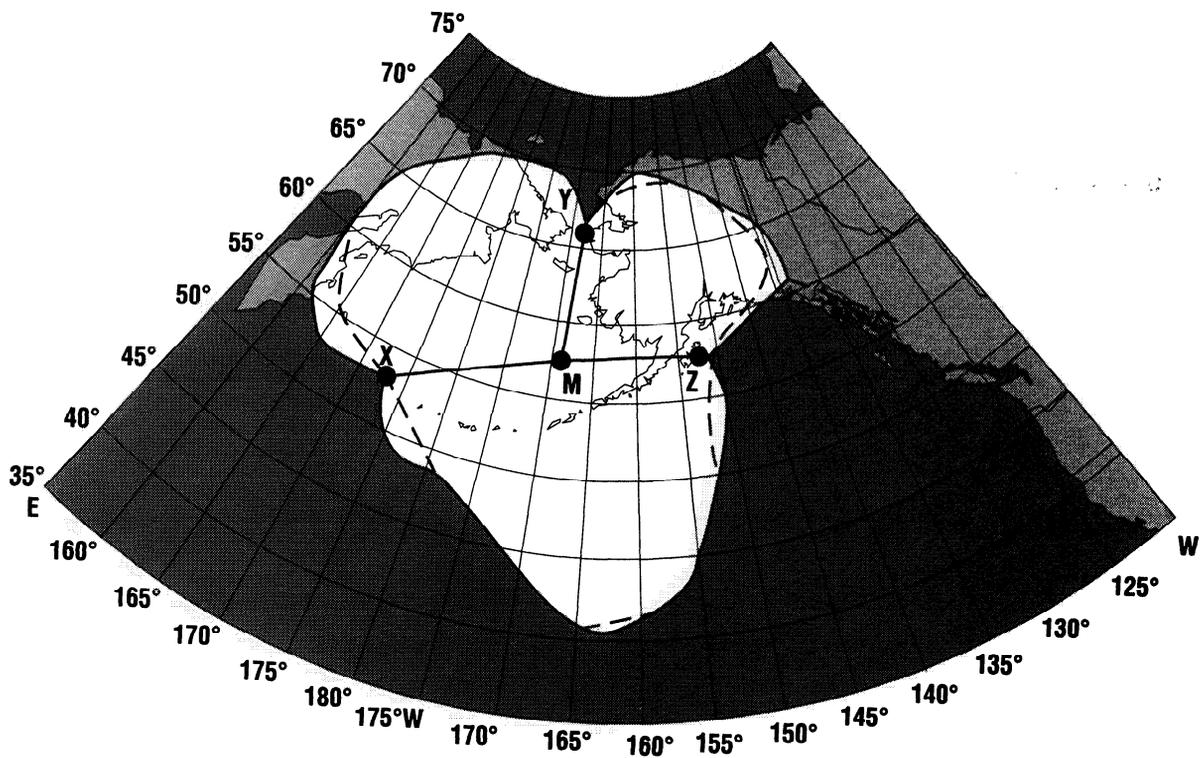
LORAN-C **NAS** COVERAGE DIAGRAM

## Alaska - North Pacific Chain - 9990

ID	TRANSMITTER	POWER (KW)
M	Saint Paul	270
X	Attu Island	270
Y	Port Clarence	1000
Z	Narrow Cape	400

## PARAMETERS

- Contour: SNR -10 db; GDOP 7,700 ft/μs
- NAS GDOP 4,200 ft/μs
- Average Atmospheric Noise: 53 db
- Surface to HL 600
- Flight Verified



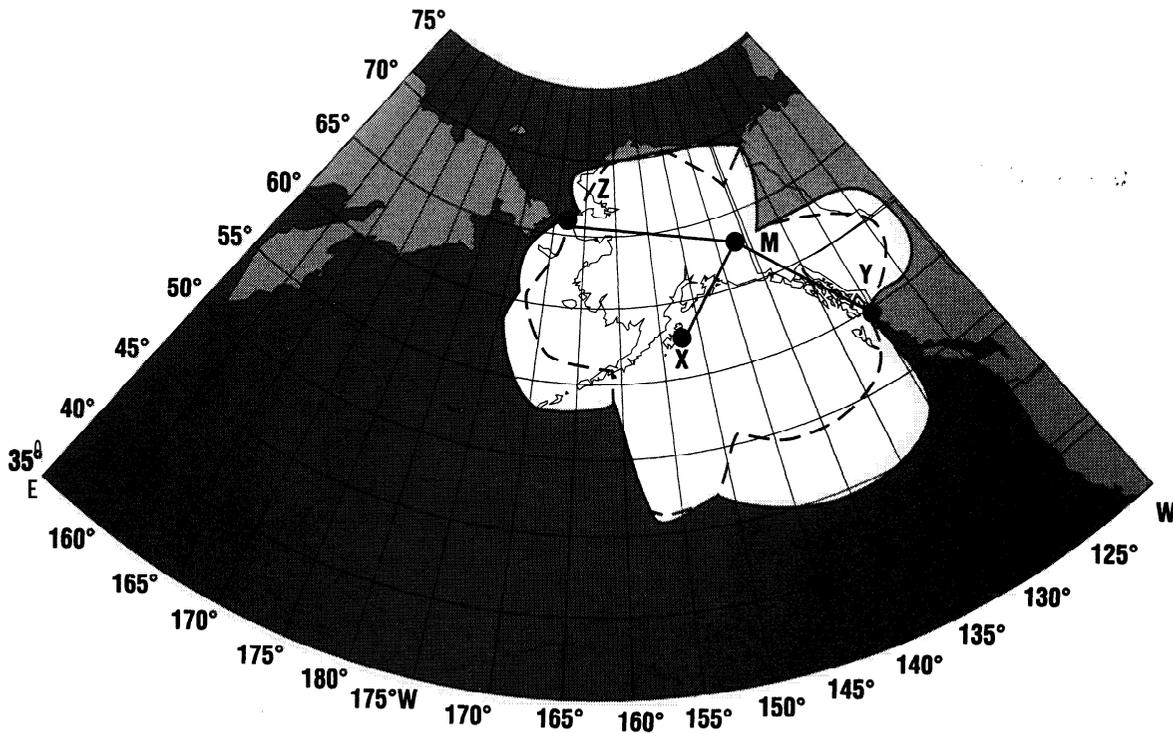
LORAN-C NAS COVERAGE DIAGRAM

Alaska # Gulf of Alaska Chain # 7960

II ID	TRANSMITTER	POWER (KW)
M	Tok	540
X	Narrow Cape	400
Y	Shoal Cove	540
Z	Port Clarence	1000

PARAMETERS

- Contour: SNR -10 db; GDOP 7,700 ft/μs
- NAS GDOP 4,200 ft/μs
- Average Atmospheric Noise: 53 db
  - Surface to FL 600
  - Flight Verified





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