

2005 RTCM Conference- Loran Summary

Presented By
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34th Annual Convention and Technical Symposium

October 17-19, 2005

2005 RTCM Conference

May 15-21 2005

St. Pete Beach, Fl.



RTCM 2005



Conference Program

2005 Annual Assembly Meeting
and Conference of the
Radio Technical Commission
for Maritime Services

May 15-21, 2005
St. Pete Beach, Florida, USA

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RTCM

The Radio Technical Commission for Maritime Services

2005 Annual Assembly Meeting

May 15-20, 2005 St. Pete Beach, FL, USA

Technical Programs - Day Three

Session 3C - U.S. Government Loran-C Program Initiatives

Moderator: **Capt Curt Dubay**
U.S. Coast Guard
USA

Loran Modernization Program Status

CAPT John Macaluso
U.S. Coast Guard, USA

Maritime Differential-Loran

LT Anthony Hawes
U.S. Coast Guard, USA

Loran Data Channel

Dr. Benjamin Peterson
Peterson Integrated Geopositioning, USA

Performance of an Integrated GPS/Loran Tracking System in the Harbor and Urban Environment

Dr. Jim Carroll
Volpe Center, U.S. Department of Transportation, USA

Session 3D - Technical Session

Moderator: **CAPT Ed Thiedeman**
Capt Ed Thiedeman
USA

eLoran System for Integration with GPS in Marine Applications

Dr. Linn Roth
President, LOCUS Inc., USA

The First Commercial eLoran Sensor

Mr. Erik Johannessen
Megapulse Incorporated, USA

Saudi Positioning System - A New Loran/DGPS+ Service

Dr. Gerard Offermans
Reelelektronika B.V., Netherlands



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LORAN Modernization Program Status

John J. Macaluso

Radio Technical Commission for Maritime Services

St. Petersburg, Florida

May 18, 2005



Maritime Differential LORAN

A Project Review

RTCM Annual Assembly Meeting

18 May 2005



LT Anthony Hawes

Chief, Engineering Development Branch
USCG LORAN Support Unit



**Homeland
Security**

*U.S. Department of
Homeland Security*
**United States
Coast Guard**





PETERSON INTEGRATED GEOPOSITIONING

LORAN Data Communications

Ben Peterson & Ken Dykstra
Peterson Integrated Geopositioning

RTCM, 18 May 2005

Funded by Federal Aviation Administration,
Mitch Narins, Program Manager



Performance Analysis of an Integrated GPS and Enhanced LORAN System

James Carroll, Henry Wychorski, Kam Chin, Bryan Long
U.S. Dept. of Transportation
Volpe National Transportation Systems Center

Presented by
Jim Carroll

2005 Annual Assembly Meeting and Conference of the
Radio Technical Commission for Maritime Services, Session 3C

May 18, 2005



eLoran Systems for Integration with GPS in Marine Applications

by

Linn Roth, Ph.D., FRIN
Locus, Inc.

RTCM
May 18, 2005

1

The 1st Commercial eLoran Sensor

Erik Johannessen
Andrei Grebnev



Dr. Arthur Helwig
Wouter Pelgrum
Dr. Gerard Offermans

reelektronika



RTCM Annual Assembly Meeting

May 18, 2005

Saudi Positioning System A New Loran/DGPS+ Service



Gerard Offermans, Arthur Helwig

Reelektronika

Terry Yetsko, Erik Johannessen

Megapulse

RTCM Annual Meeting, St. Pete Beach, Florida, 15-21 May 2005

Summary and Observation

- The Loran sessions were well attended, informative, and raised discussions.
- Questions on the first session presentations generally focused on policy.
- Questions on the second session were more on capabilities.
- Indicative of level of unawareness of Loran modernization status and potential.
- Thanks to LCDR J Merrill for coordinating with RTCM on Loran sessions.