



Resilient PNT Forum

1400-1405	Welcome from EUGIN
1405-1410	Introduction
1410-1415	Statement from President of IAIN
1415-1420	Statement from DSG of IALA
1420-1450	Keynote address from Prof David Last
1450-1505	Dana Goward, RNT Foundation
1505-1515	Update on the Korean eLoran Program



Discussion

1545-1600 What is Resilient PNT?

1600-1615 Need for Resilient PNT

1615-1630 Strategy for Resilient PNT

1630-1645 Plan of action

1645-1700 Conclusions



What is Resilient PNT?

Not relying on a single system

Use of complementary, dissimilar systems

Resistance to jamming & spoofing

Authentication & integrity

Recovery from disruption



Need for Resilient PNT

e-Navigation, e-Maritime, MoS, STM

FANS, SESAR

Train Control

Road Tolling

Container Tracking

Timing - telecomms, energy, finance



Strategy for Resilient PNT

Policies: national, IMO, ICAO, ITU

Radio-navigation Plans: FRP, ERNP

Spectrum planning: EC, FCC, WRC

Resourcing: IGO, NGO

Planning & implementation



Plan of action

National support

NGO support

IGO support

International agreement

Harmonized plan

Implementation



Conclusions

What is Resilient PNT?

Need for Resilient PNT

Strategy

Plan of action