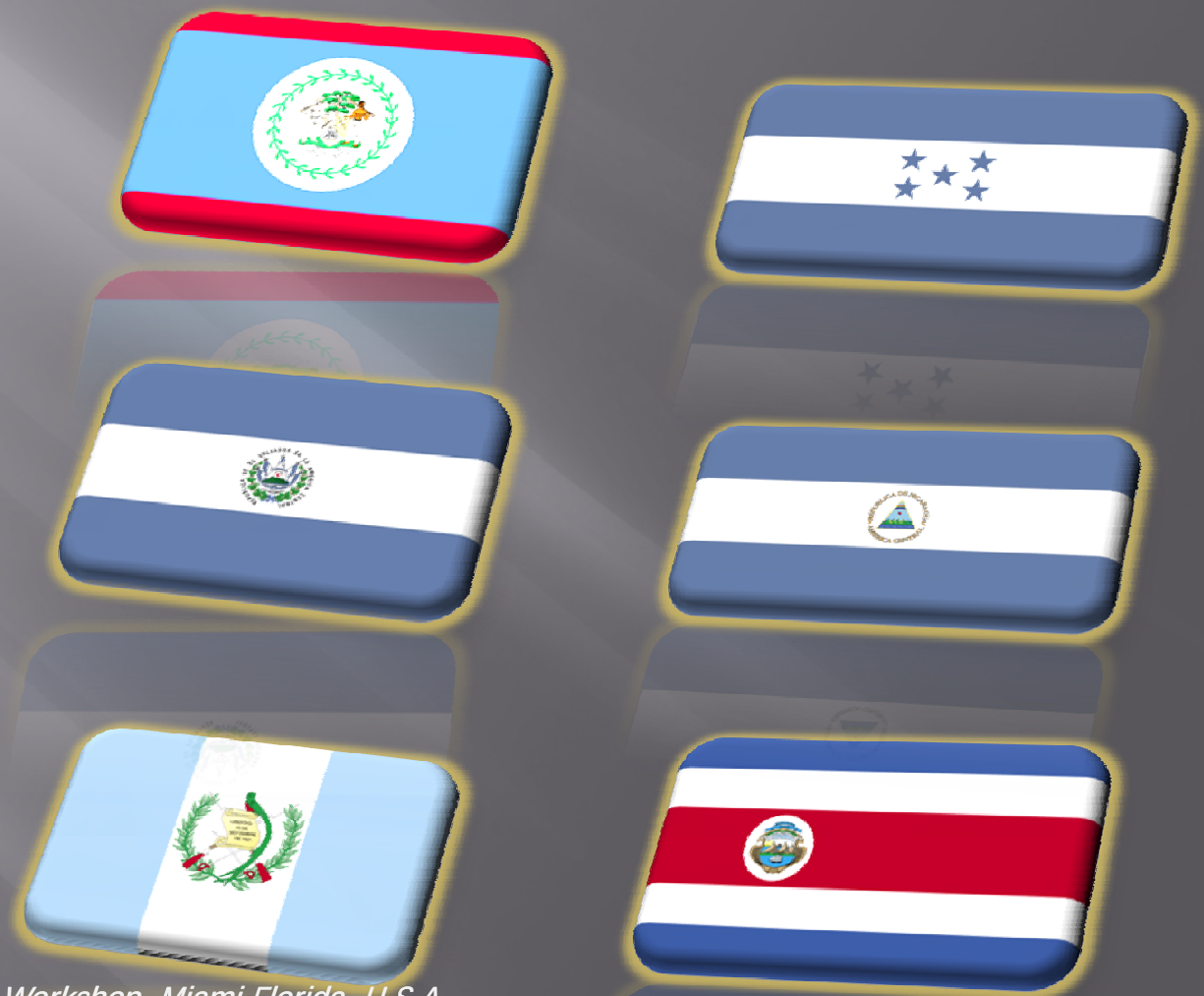
Implementation of the AMHS

COCESNA



Presented to: AMHS Workshop, Miami Florida, U.S.A.

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Company: COCESNA

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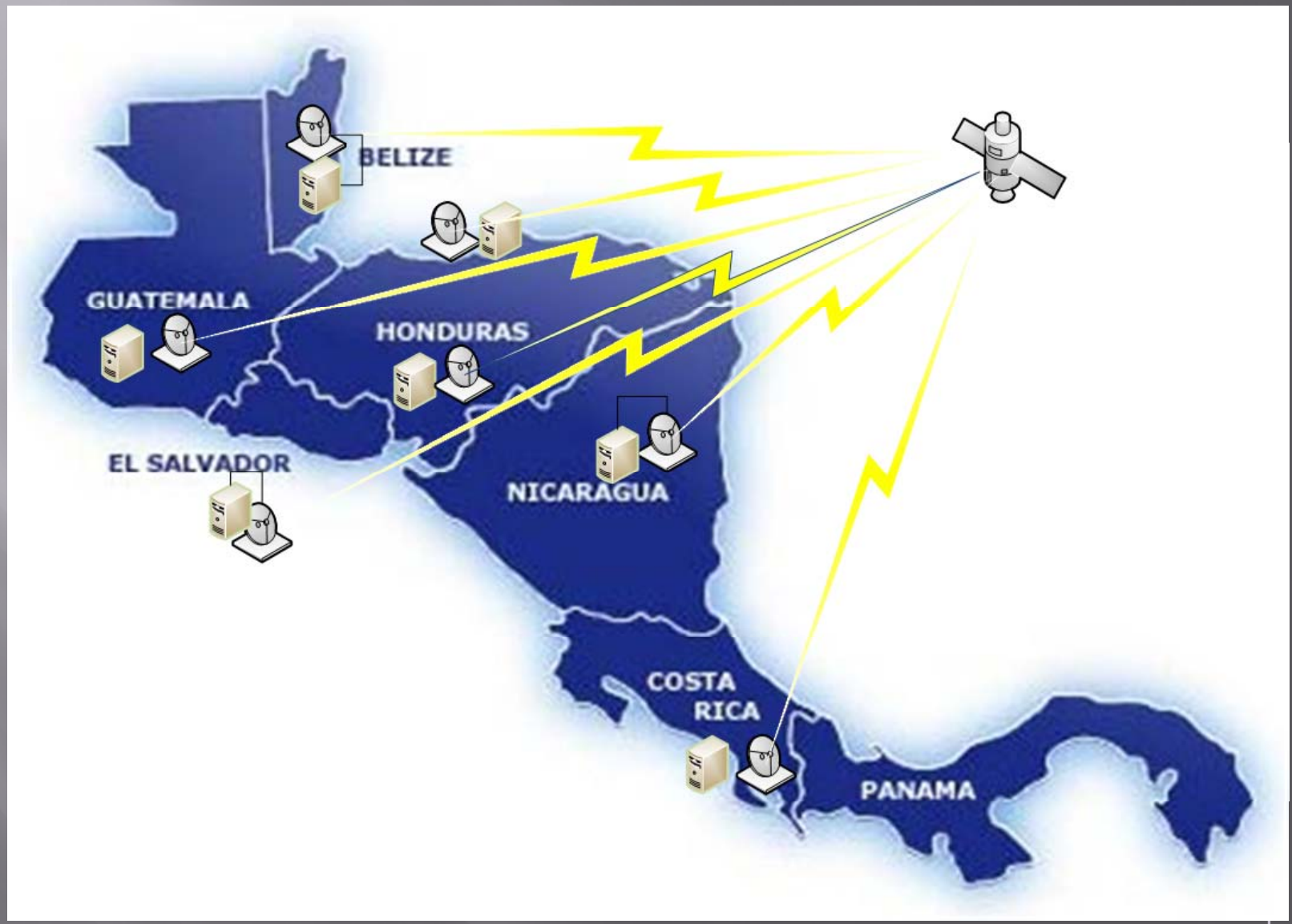
OVERVIEW

- COCESNA's Aeronautical Messenger Services Infraestructure.
- Weaknesses to overcome
- Future Achievements
- Workshop expectations

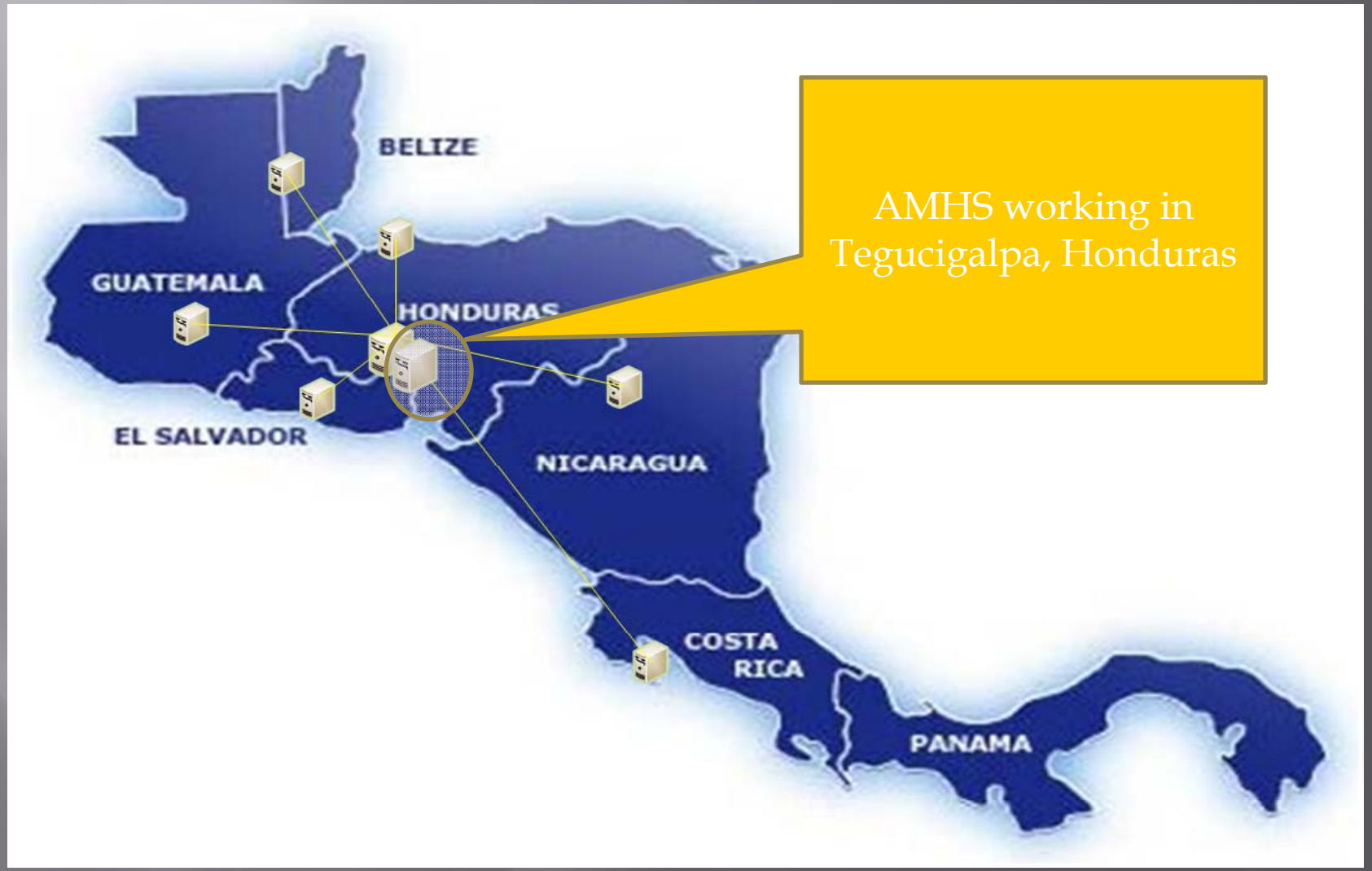
COCESNA's Aeronautical Messenger Services Infraestructure

- COCESNA has been working on the implementation of the AMHS since the year 2006. The following actions have been executed:
  - Replacement of all the regional nodes in Central America with new more advanced equipment, considering as well its redundancy.
  - Modernization of the telecommunication networks.

COCESNA's Aeronautical Messenger Services Infraestructure



COCESNA's AMHS System



Weaknesses to overcome

- Bandwidth of the communication systems
  - The current serial speed between the different regional servers is 1200 kbps, due to a limited VSAT bandwidth network.

Solution

COCESNA is working on a project to change its current microwave communication network for a more advanced Aviat microwave communication network.

Future Achievements

- 2012: We expect to obtain a AMHS interconnection between Honduras and the United States of America.

- 2013: Complete the installation of the microwave telecommunication network between Honduras and Nicaragua. (*To change the system of La Mesa in Honduras and Managua in Nicaragua to a MTA of the AMHS network of COCESNA*).

Workshop Expectations

- Agreement to activate the interconnection between United States and COCESNA:
  - Define the channel and technical requirements of the communication channel.
  - Testing:
    - Channel communication testing
    - AMHS testing
  - Implementation dates
    - In phases or as a whole.

Questions?