

# CIP-012-1 Webinar

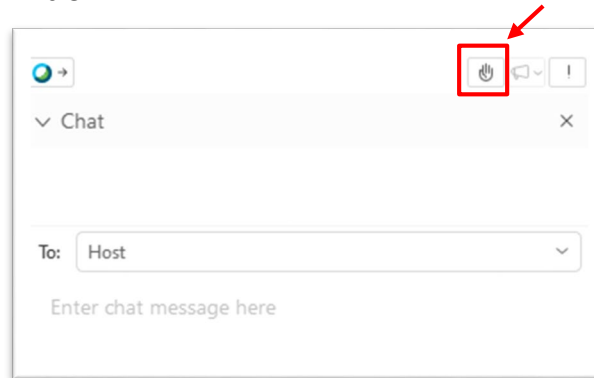
## Communication between Control Centers

ERO Enterprise  
June 2, 2022

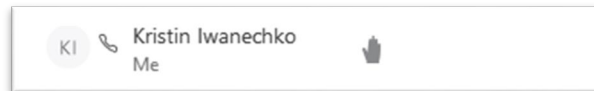
**Strong Regions + Strong NERC = Brilliant ERO**

# Raising and Lowering Your Hand

**To raise your hand, select the hand icon above the chat window:**



**You can see your raised hand in the participant list to the right of your name:**



**To lower your hand, select the Hand Icon again.**

**If you are joining via AUDIO only**, to ask your question, please dial \*3 from your phone to raise your hand and then at the conclusion of your question dial \*3 to lower your hand.



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It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

Participants are reminded that this meeting is public. Notice of the meeting was widely distributed. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

The CIP-012-1 webinar provides an educational opportunity for registered entities to receive informational responses to CIP-012-1 Reliability Standard and possible compliance approaches in an open and non-audit environment. During the course of those discussions, the NERC and Regional Entity representatives may provide guidance on specific approaches for implementing the CIP-012-1 Reliability Standard. NERC and the Regional Entity representatives, however, cannot guarantee compliance if those approaches are used, as compliance is necessarily dependent on the manner in which the guidance is implemented. Additionally, there may be other ways to comply with the obligations of the requirements of the CIP-012-1 Reliability Standard that are not expressed during the CIP-012-1 webinar. Compliance will continue to be determined based on language in the NERC Reliability Standard(s) as they may be amended from time to time.

- **Introduction of ERO Enterprise Panel**
- **Topics of Interest**
  - *Control Center and associated data center(s)*
  - *Identifying applicable data*
  - *Agreements between entities*
  - *Evidence*
  - *Enforcement*
- **Q&A**

- Facilitator
  - Daniel Bogle – Principal CIP Assurance Advisor, Compliance Assurance, NERC
- Panelist
  - Kenath Carver – Director, Cybersecurity Outreach and CIP Compliance, TexasRE
  - Michael Bilheimer – Senior CIP Analyst, Compliance, NPCC
  - Morgan King – Senior Technical Advisor, Entity Monitoring, WECC

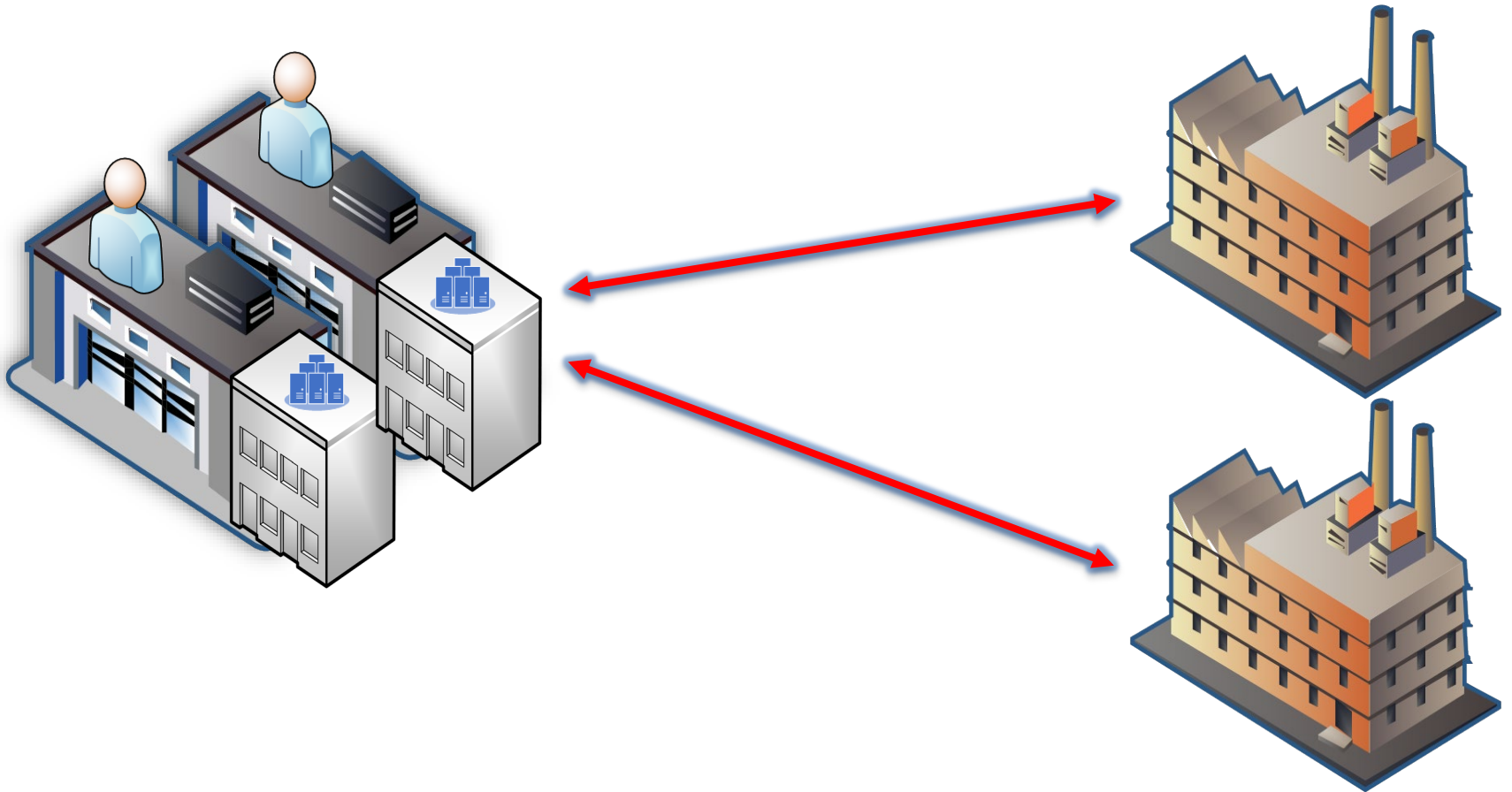
*#OneEROEnterprise*

## Control Center and associated data center

- Assessing applicability of CIP-012-1 to your entity
  - Is your entity a BA, RC, TOP, TO, GOP, or GO?
  - Does your entity have a Control Center?
- A data center is a Control Center
  - Facility Ownership
- Three scenarios of Control Center and its associated data center



# Control Center definition



# Control Center definition



Entity A

Primary Control Center

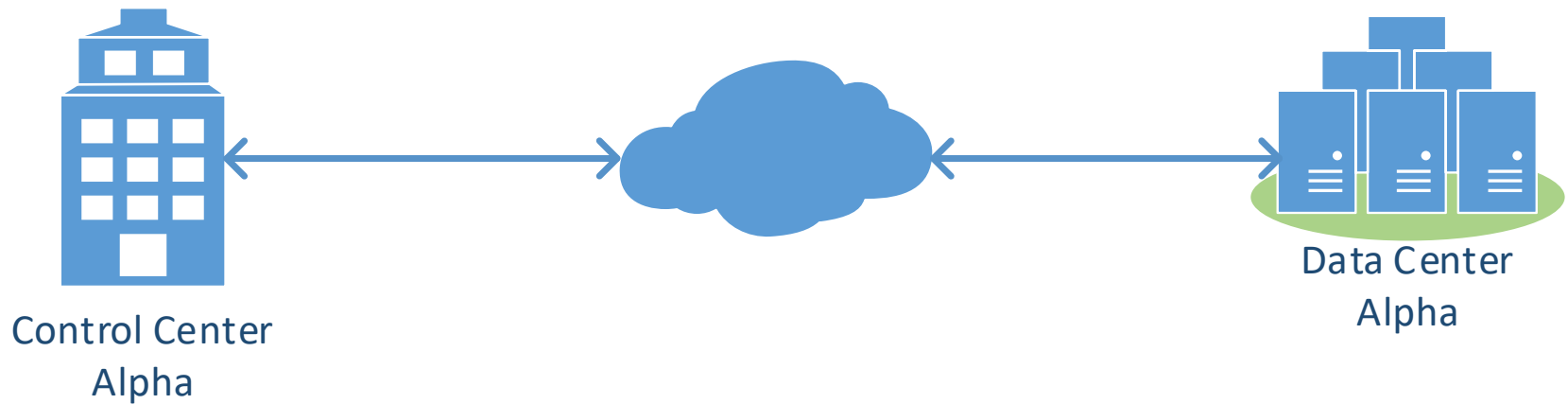
Data center

Entity A

Backup Control Center

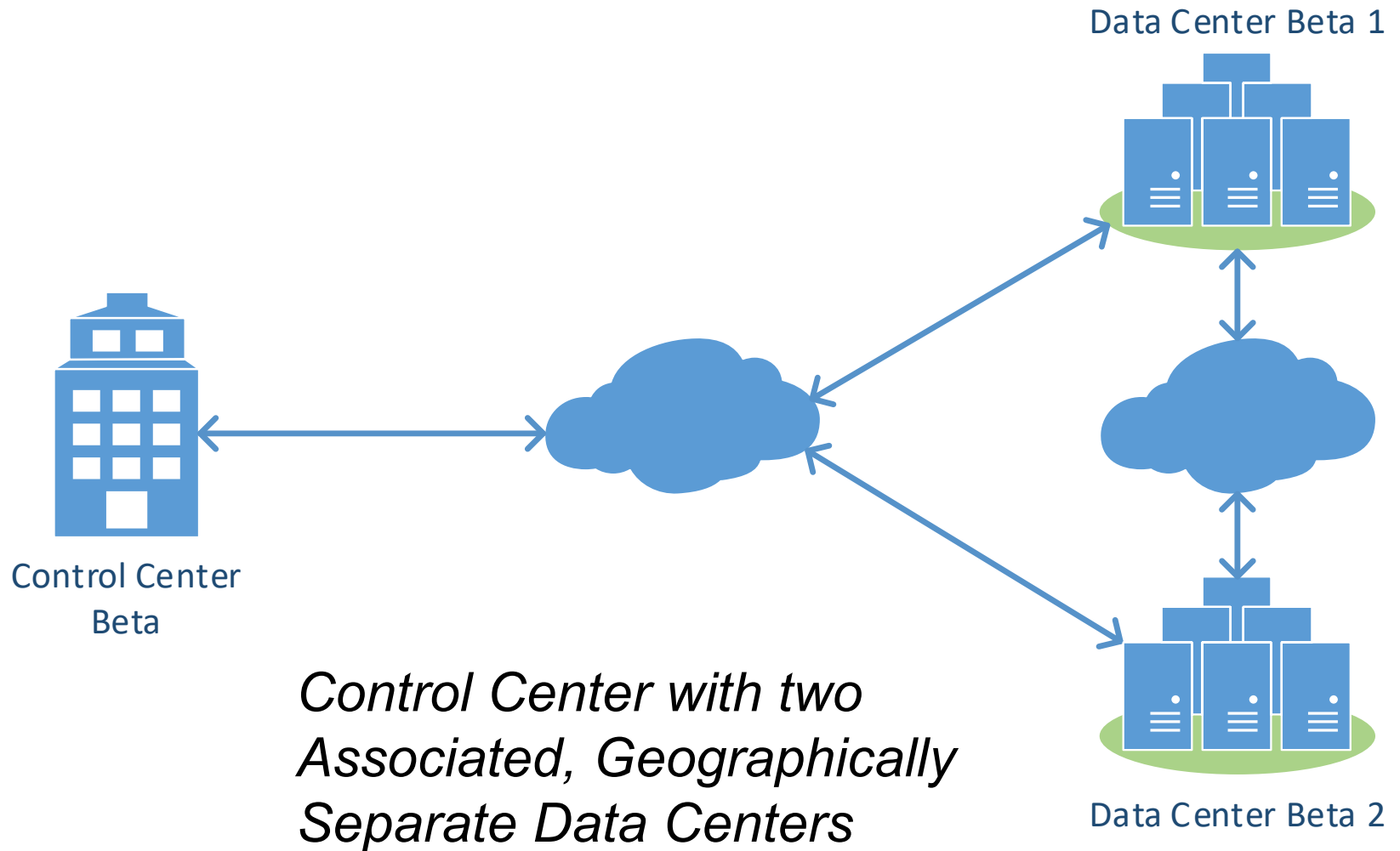
Data center

# Control Center definition

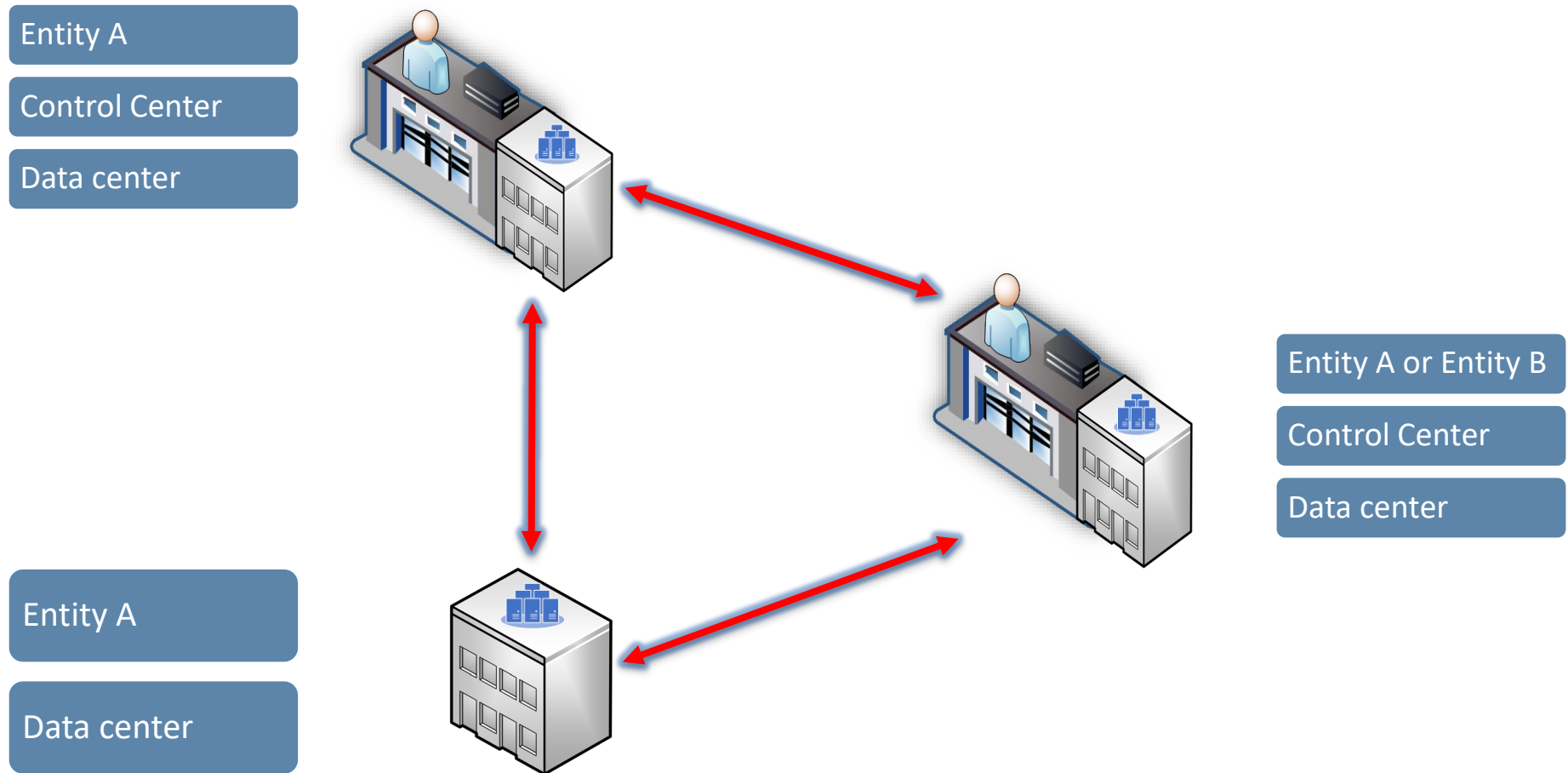


*Control Center with an  
Associated, Geographically  
Separate Data Center*

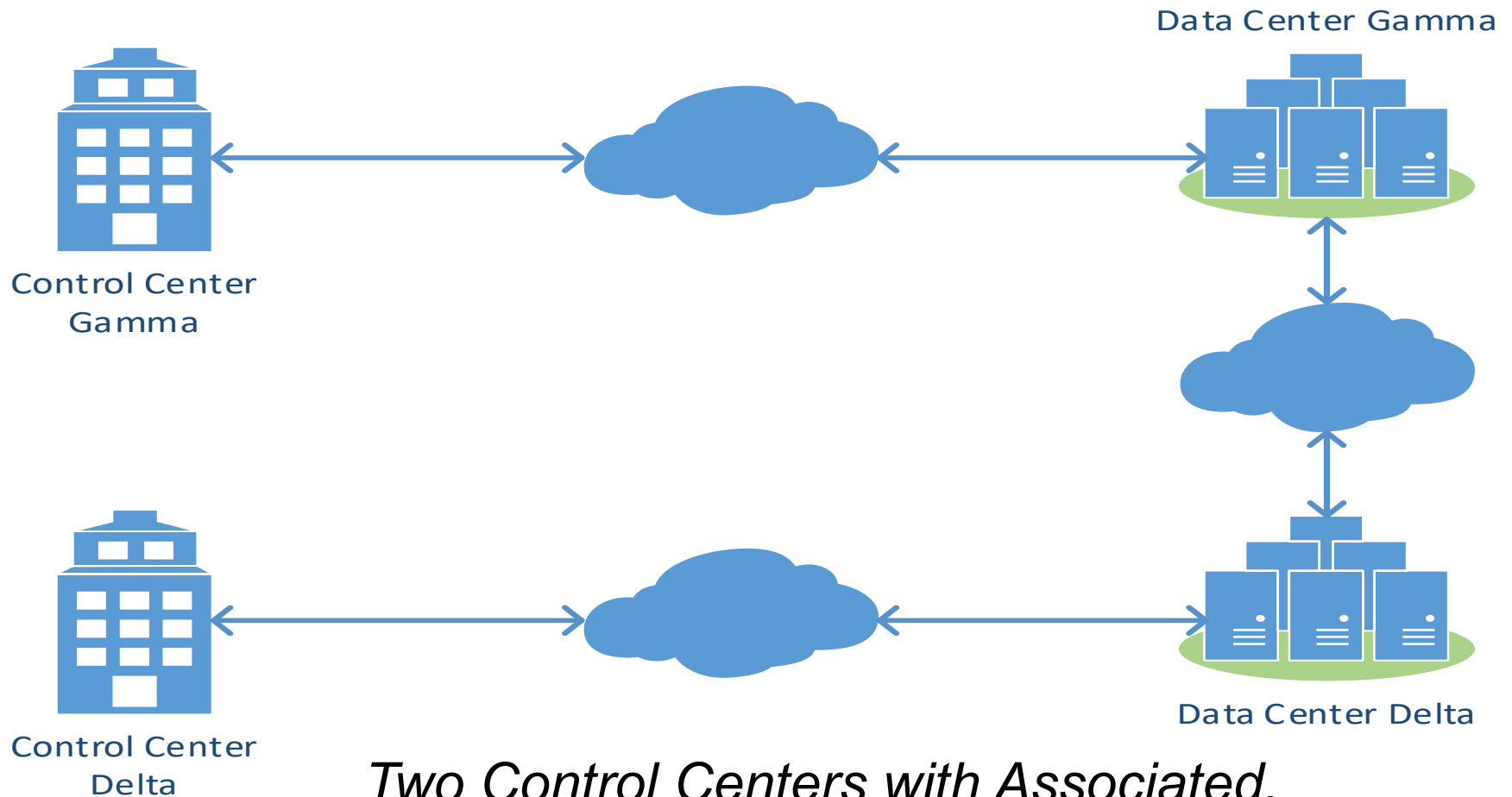
# Control Center definition



# Control Center definition

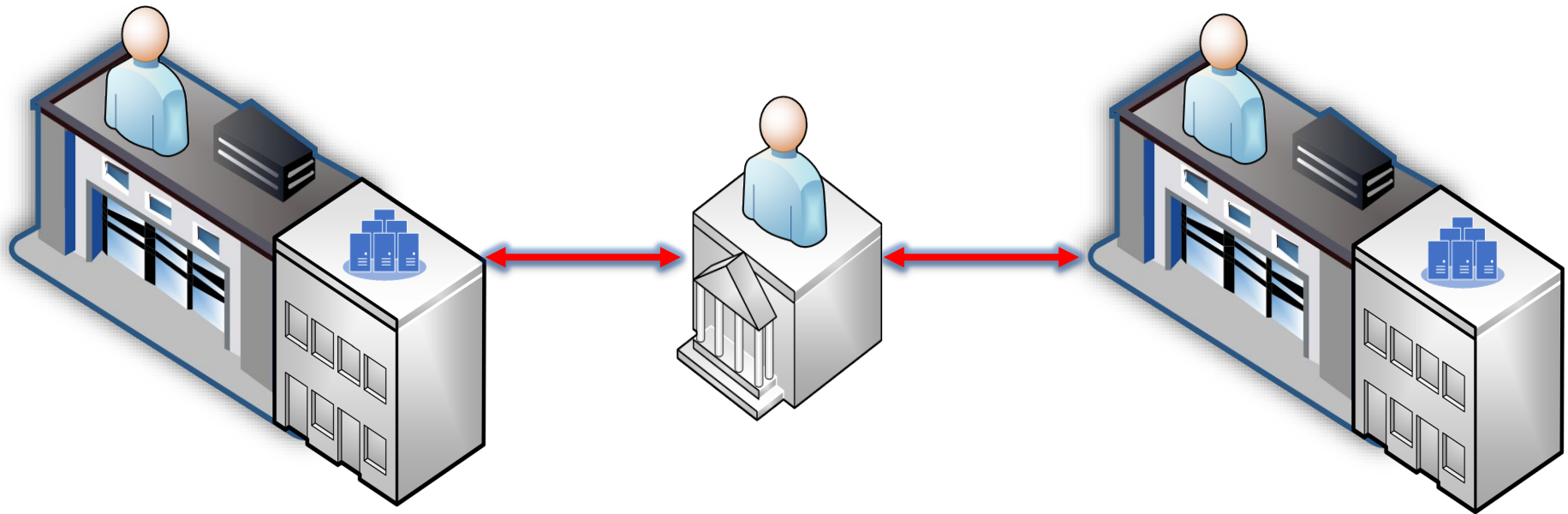


# Control Center definition



*Two Control Centers with Associated,  
Geographically Separate Data Centers*

# Control Center definition



Entity A

Control Center

Data center

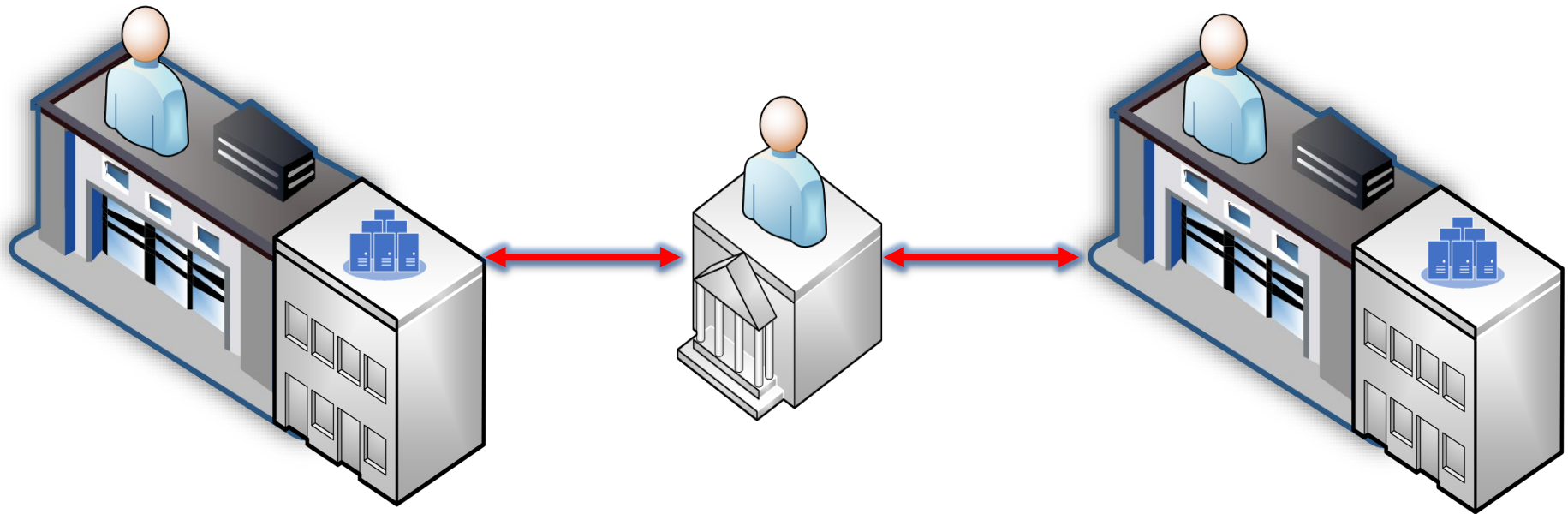
Qualified  
Scheduling  
Entities (QSE)

Entity B

Control Center

Data center

# Control Center definition



Entity A

Control Center

Data center

GO/GOP

Entity B

Control Center

Data center



*REACH OUT TO YOUR CEA!!!*

## Identifying Applicable Data

What defines RTA/RTm?

- General Guidance
  - Regardless of protocol and media
  - The Implementation Guidance and Technical Rationale
  - A good starting point is IRO-010-3/4 and TOP-003-4
    - Possibly other RTA/RTm specifications, coordinate with your associated BA/RC
  - Need to explain rationale, especially if your entity deviates from the IRO-010-3/4 and TOP-003-4 scope

## Agreements between registered entities

If an agreement is used for the purpose of Part 1.3., does the agreement have to be legally binding?

- No, an agreement does not have to be legally binding. However, it is the Responsible Entity's responsibility to comply with CIP-012 and to coordinate with other Responsible Entities.

## Enforcement

R1 utilizes the verbiage, “...to mitigate the risks...”

- The Standard is focused on risks posed by unauthorized disclosure and unauthorized modification.

## Evidence

Measures state “Evidence may include...that meet the security objective...”

- ERO Enterprise notes the purpose of CIP-012 states “To protect the confidentiality and integrity of Real-time Assessment and Real-time monitoring data transmitted between Control Centers.”

A map of North America, including Canada, the United States, and Mexico. A horizontal band of medium blue color stretches across the middle of the map, passing through the United States. The text "Questions and Answers" is centered within this band.

# Questions and Answers