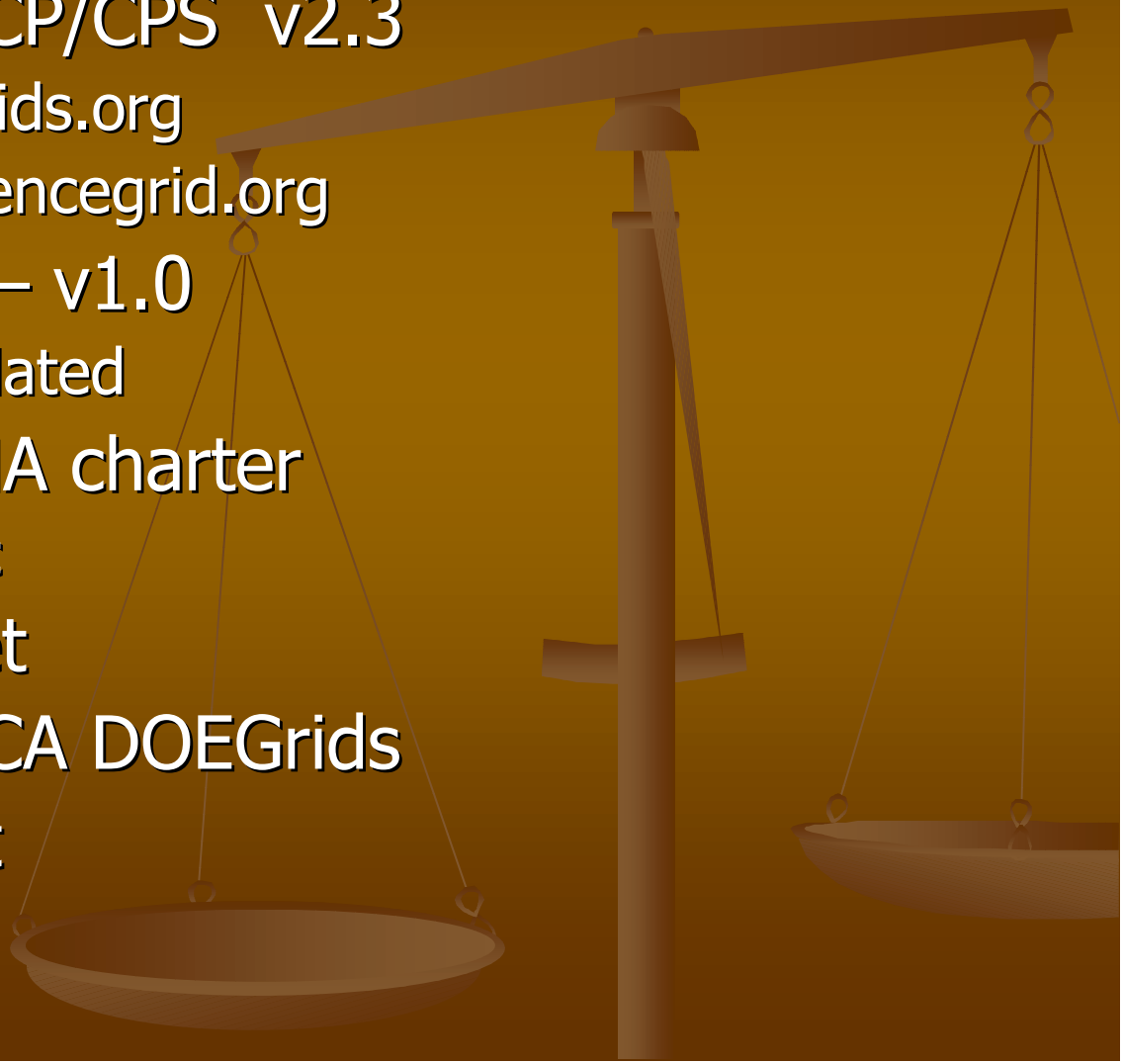
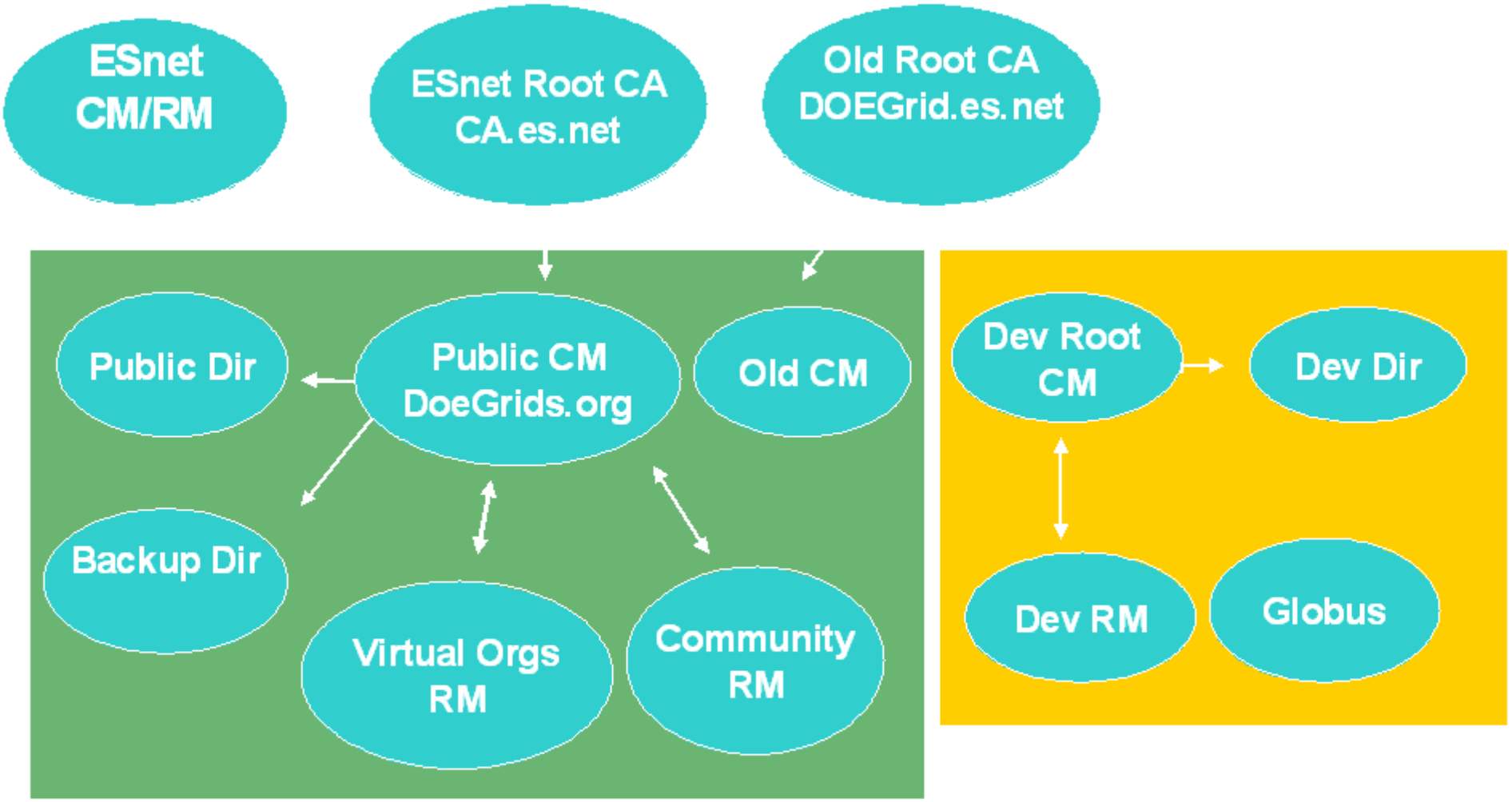
DOE Grids

- New subordinate CP/CPS v2.3
  - New name DOEGrids.org
  - Old name DOESciencegrid.org
- New root CP/CPS – v1.0
  - Edit notes not updated
- New DOEGrids PMA charter
  - Based on GGF doc
- New root CA ESnet
- New subordinate CA DOEGrids
- Naming document

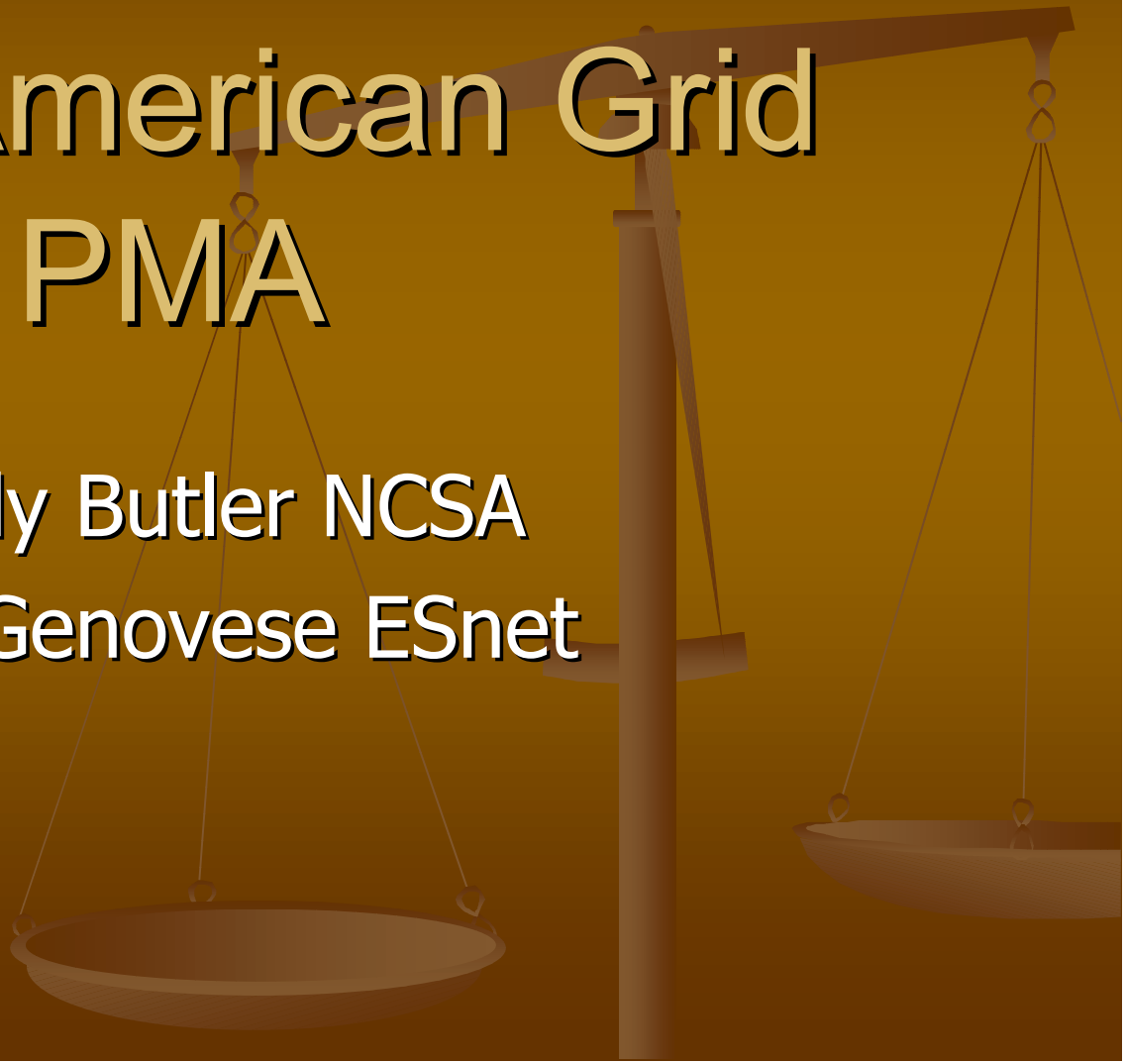


Architecture for 10/15/02 deployment



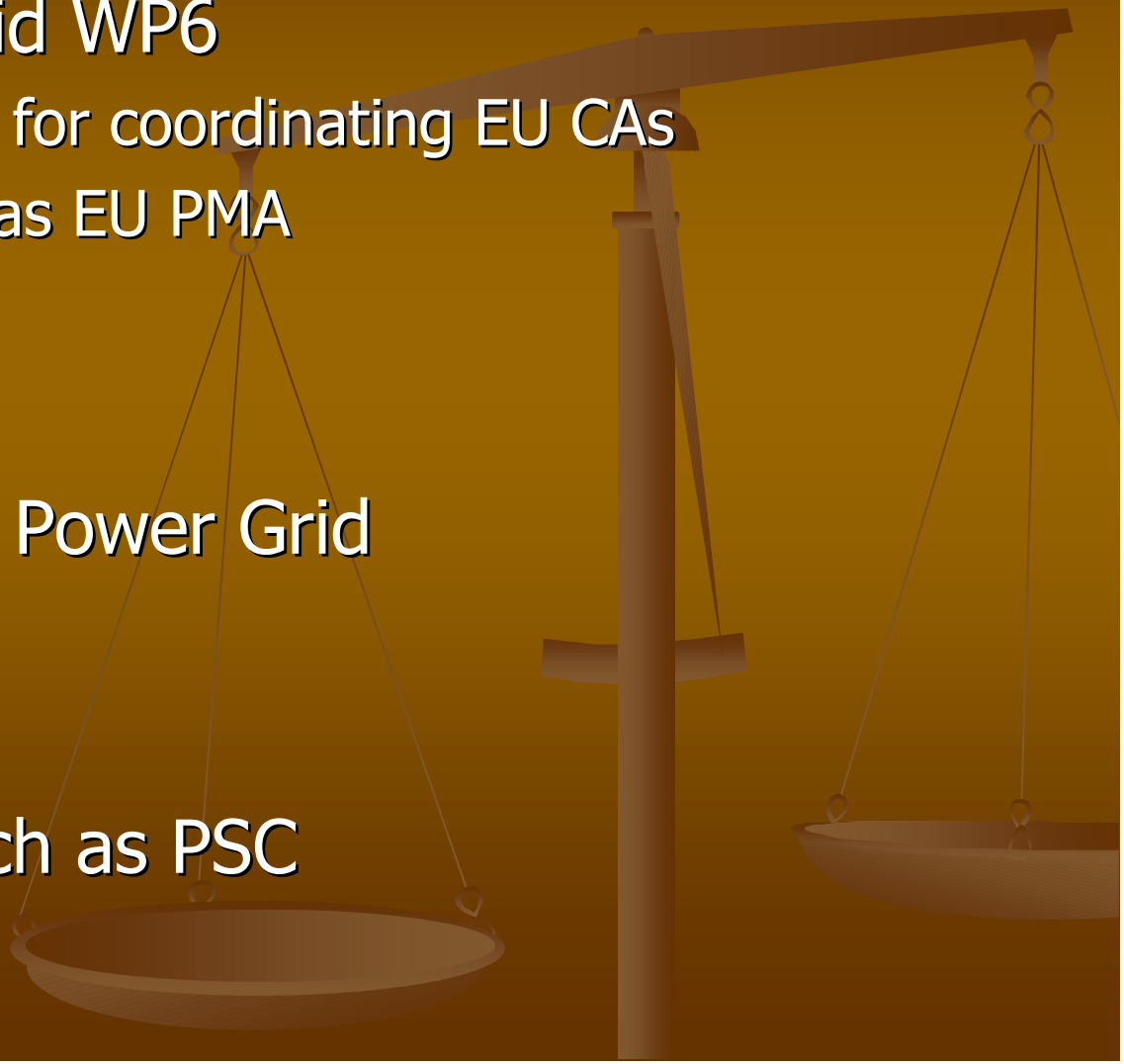
North American Grid PMA

Randy Butler NCSA
Tony Genovese ESnet



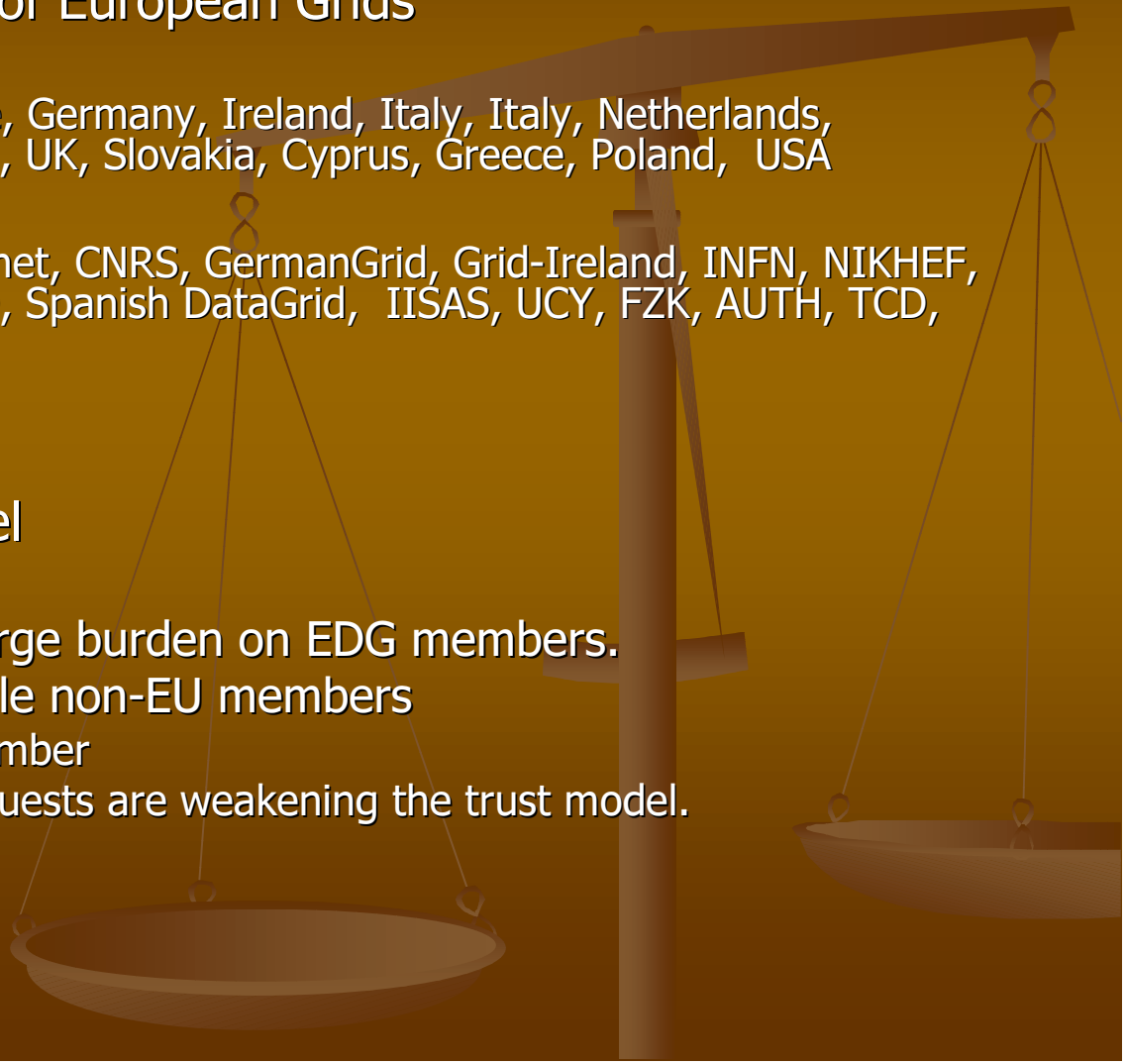
Grid Policy Management Authorities

- European Data Grid WP6
  - De facto authority for coordinating EU CAs
  - Loosely functions as EU PMA
- NCSA Alliance
- DOEGrids
- NASA Information Power Grid
- Grid Canada
- SDSC NPACI
- Others coming such as PSC



EDG PMA

- Represents cross section of European Grids
  - 16 countries
    - Czech Republic, France, Germany, Ireland, Italy, Italy, Netherlands, Portugal, Russia, Spain, UK, Slovakia, Cyprus, Greece, Poland, USA
  - 19 organizations
    - CERN, NorduGrid, CESnet, CNRS, GermanGrid, Grid-Ireland, INFN, NIKHEF, LIP, Russian DataGRID, Spanish DataGrid, IISAS, UCY, FZK, AUTH, TCD, PSNC, IFCA, DOEGrids
  - 19 CAs
- European Data Grid model
  - Trust list of CAs
  - Difficult to join – puts large burden on EDG members.
  - EDG not funded to handle non-EU members
    - DOEGrids is a peer member
    - Additional member requests are weakening the trust model.

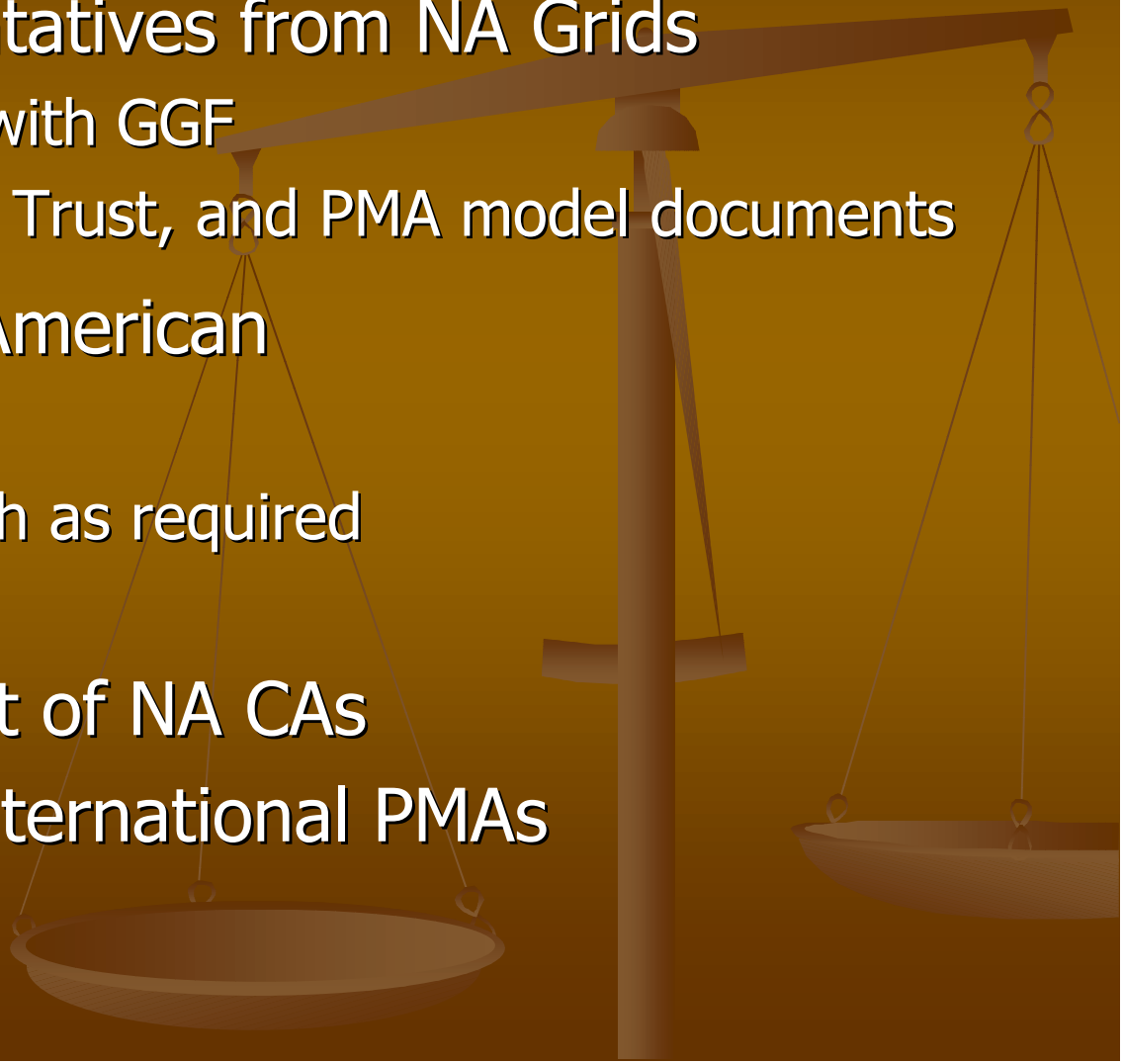


Why a North America Grid PMA?

- Establish cross domain trust in NA
  - Establish membership and requirements
  - Policies and procedures
- Represent North American Grid CAs to:
  - EDG PMA for cross domain trust
  - North American Universities
  - Federal Agencies

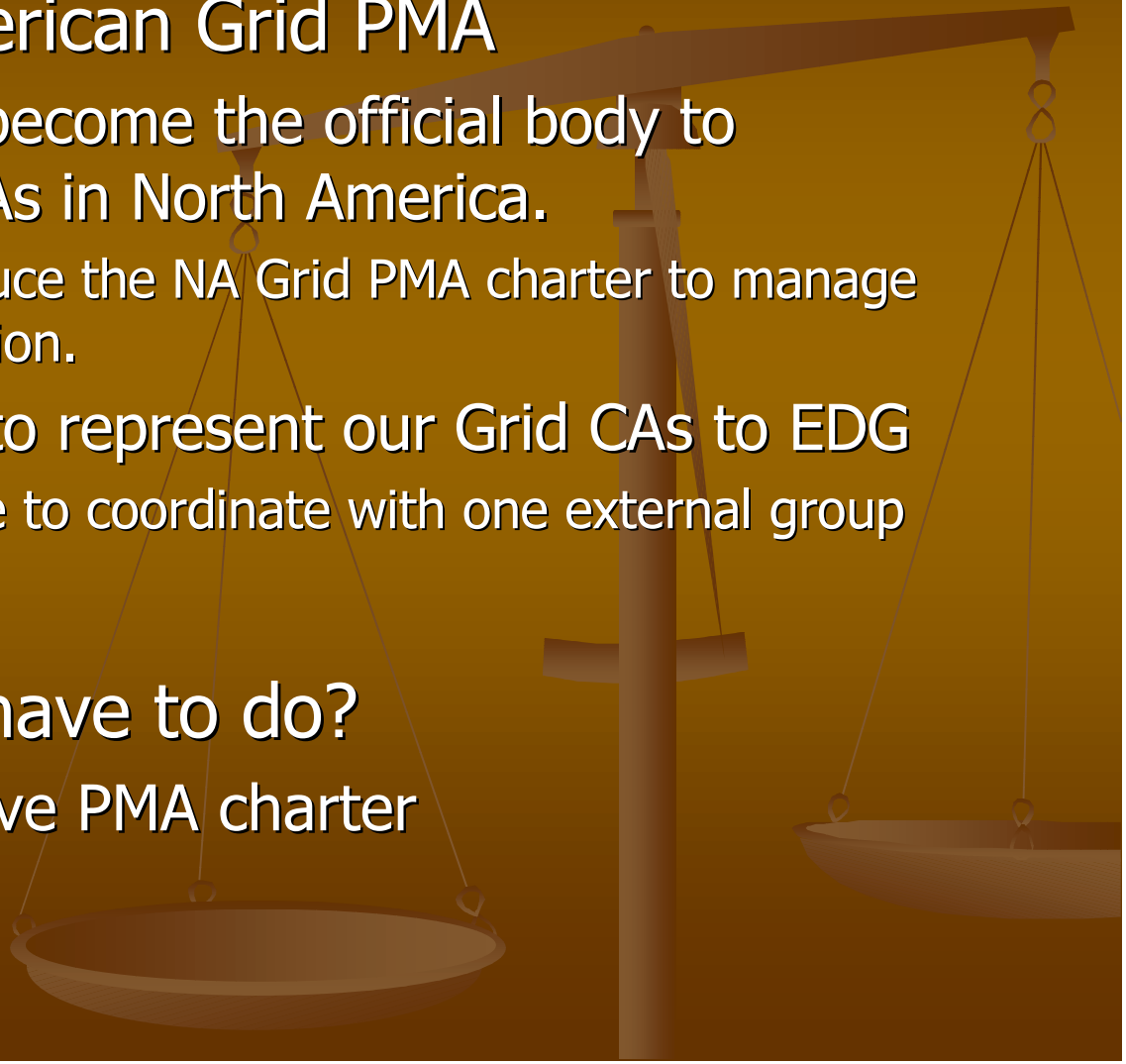
North American Grid PMA Approach

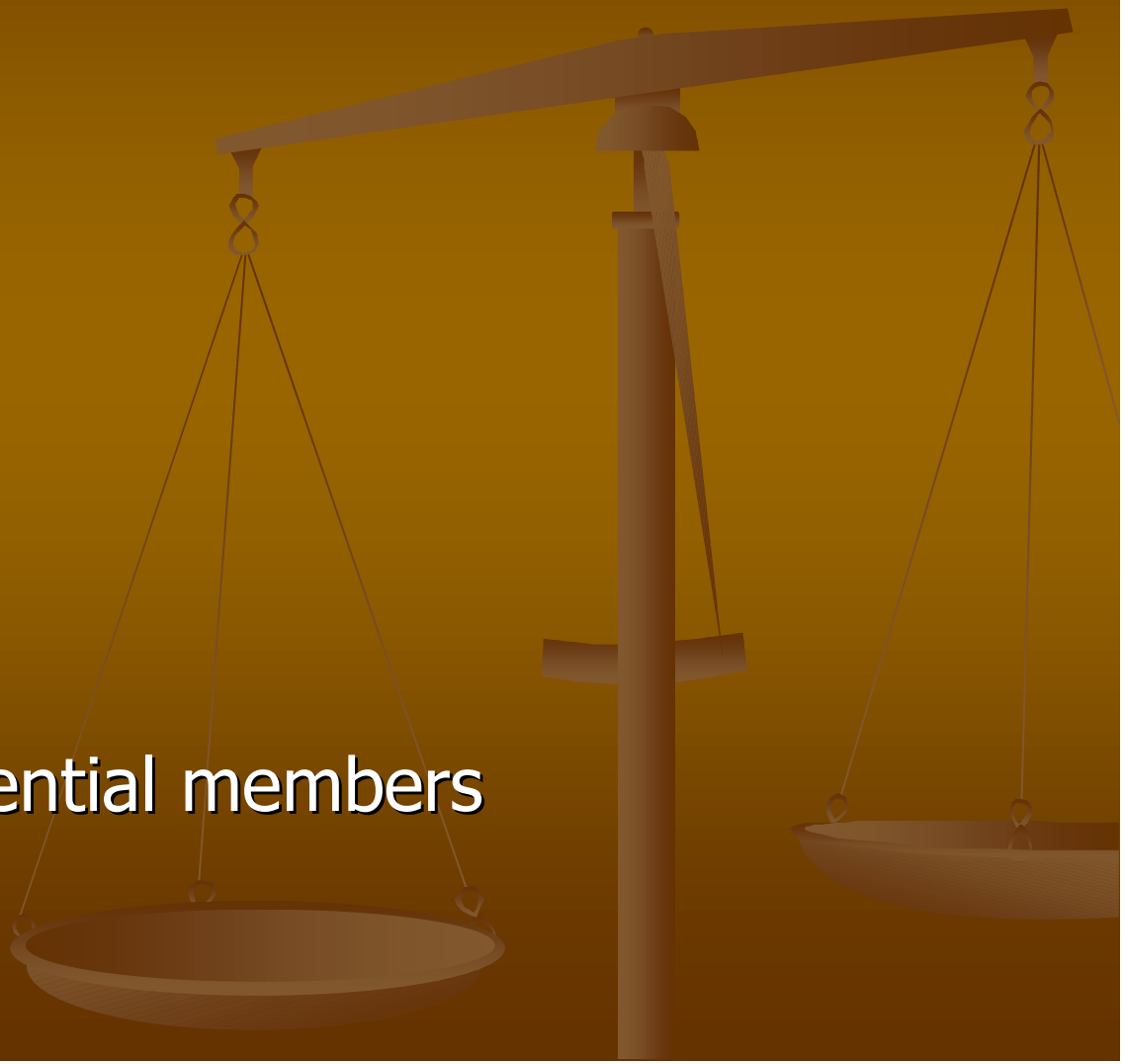
- Organize representatives from NA Grids
  - Meetings aligned with GGF
  - Leverage GGF CP, Trust, and PMA model documents
- Document North American
  - Policy
  - Technical approach as required
  - Certificate profiles
- Establish Trust List of NA CAs
- Coordinate with international PMAs



What can MAGIC do?

- Vet the North American Grid PMA
  - NA Grid PMA will become the official body to coordinate Grid CAs in North America.
    - We will then produce the NA Grid PMA charter to manage the new organization.
  - This will allow us to represent our Grid CAs to EDG
    - EDG will only have to coordinate with one external group
- What will MAGIC have to do?
  - Review and approve PMA charter



Who will be members of NA Grid PMA

- Initial members
  - NCSA Alliance
  - SDSC NPACI
  - DOEGrids
  - Grid Canada
  - NASA IPG
  - PSC
- Identify other potential members