



GEO-IP Blocking

June 13, 2018

PJM's priority is to protect the accounts, data and information entrusted by our members

Critical infrastructure is a higher profile target

- Nation states are increasing their attacks.
- Password spraying has become an effective tool to compromise user accounts.

PJM recognizes member feedback must be incorporated into security approaches

More restrictive
cybersecurity controls

Block network
traffic from
outside the U.S.
and Canada via
Geo-IP blocking

Analyze network traffic by country

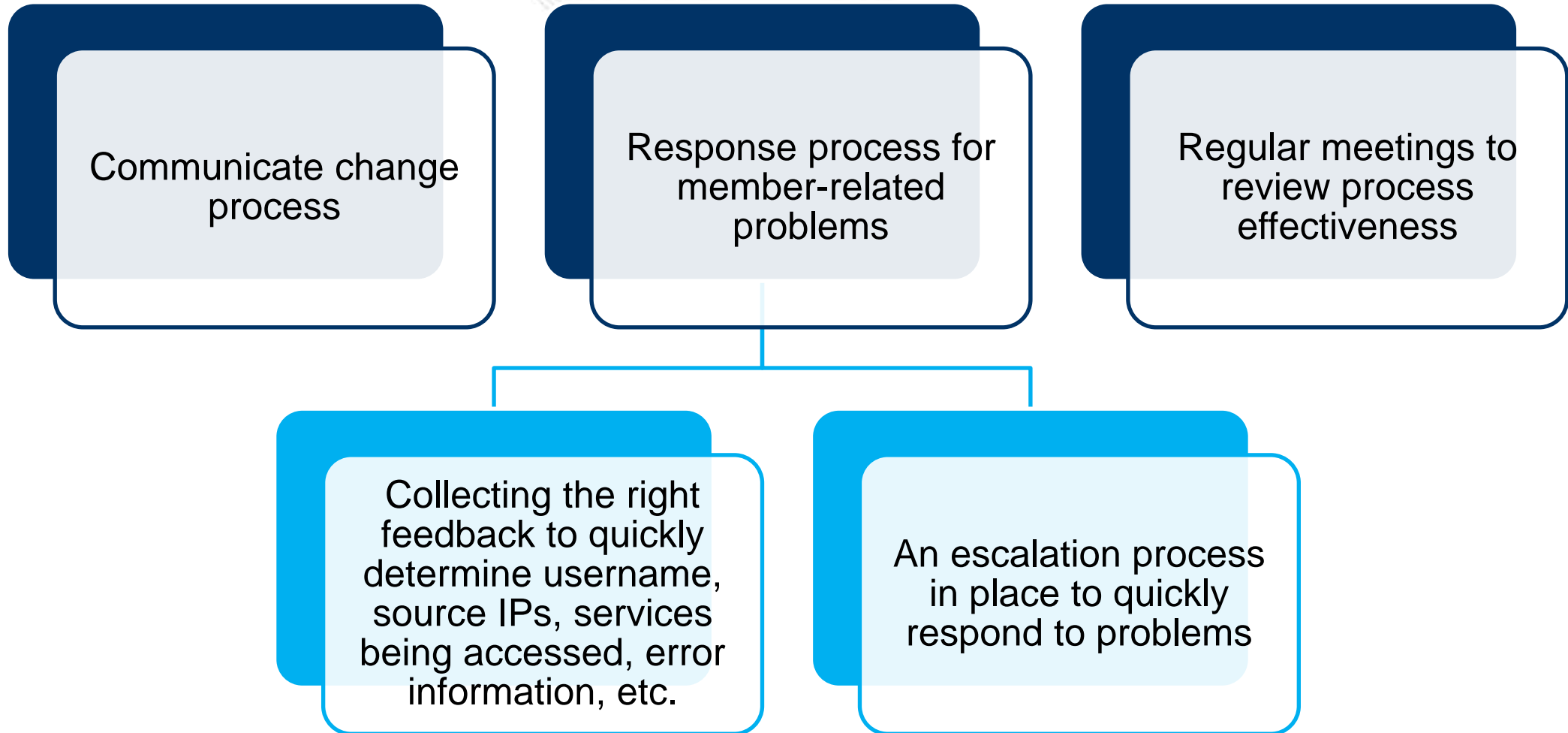
Analyze the use of authenticated services by authorized user

Correlate service use against analysis of traffic by country

Build up whitelisting for valid, correlated network traffic

Monitor whitelisting

Successively block groups of countries based on risk/use



PJM has begun implementing Geo-IP blocking with:

- High risk countries
- Limited access to internet SCADA