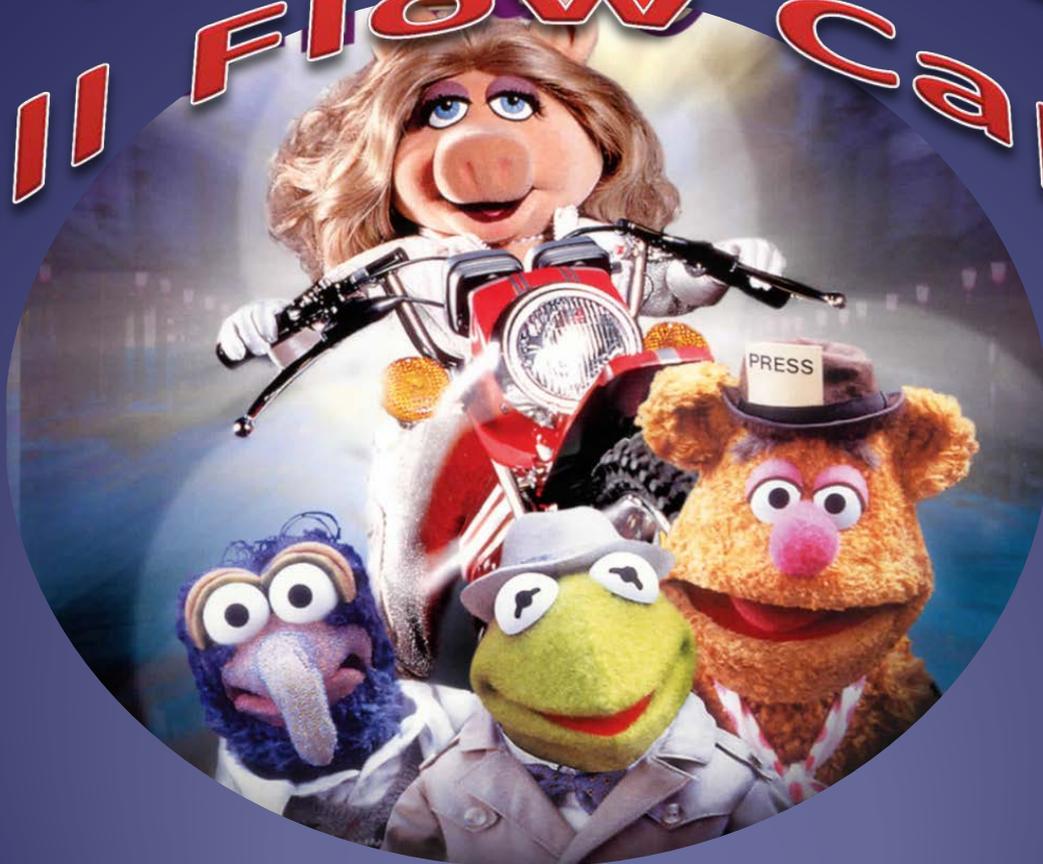
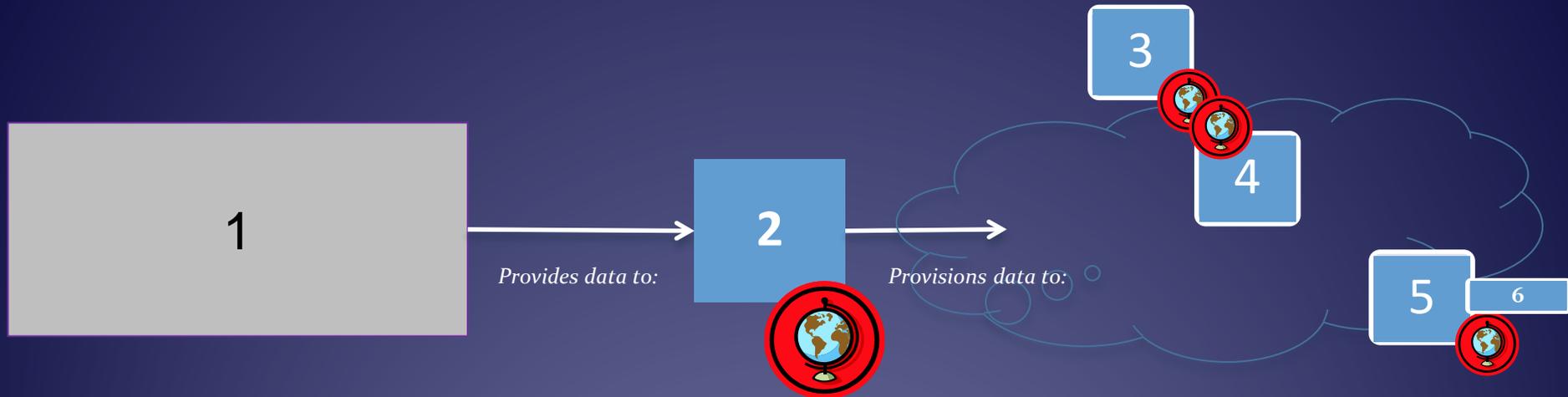


The Great Call Flow Caper

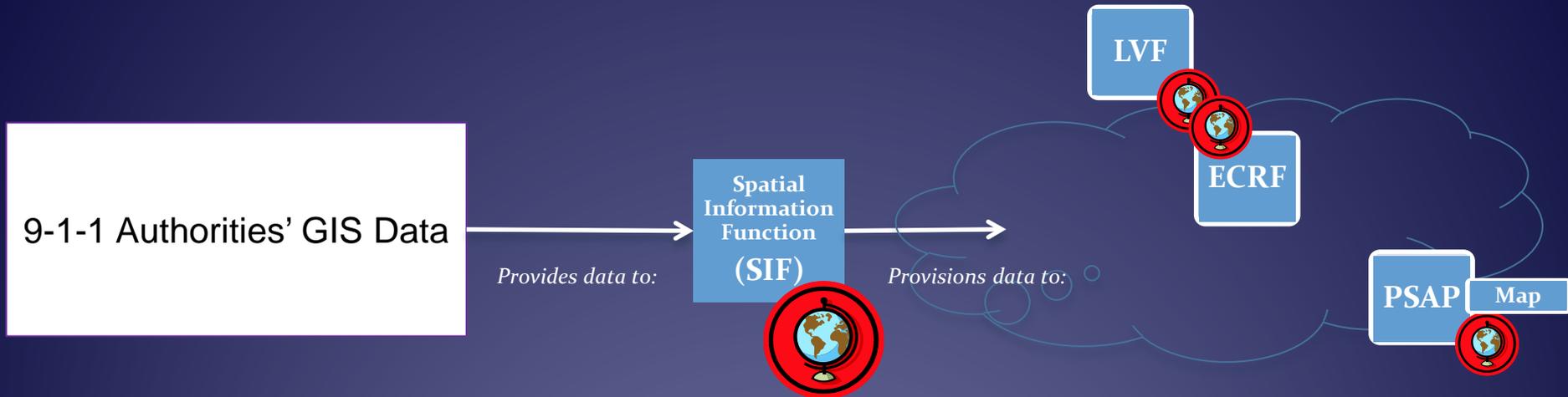


GIS Data Provisioning



- 2. _____
- Provides an interface between an authoritative copy of 7. _____ data and 8. _____ within the ESInet

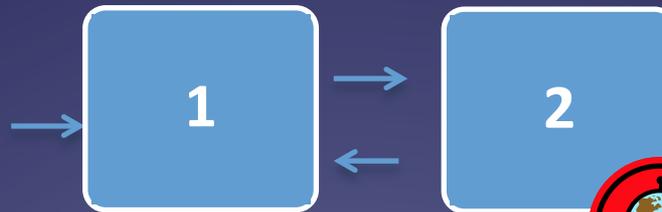
GIS Data Provisioning



2. SIF – Spatial Information Function

- Provides an interface between an authoritative copy of 7. GIS data and 8. Functional Elements within the ESInet

Location Validation



YES or NO



Is this a valid location in GIS?

1. _____

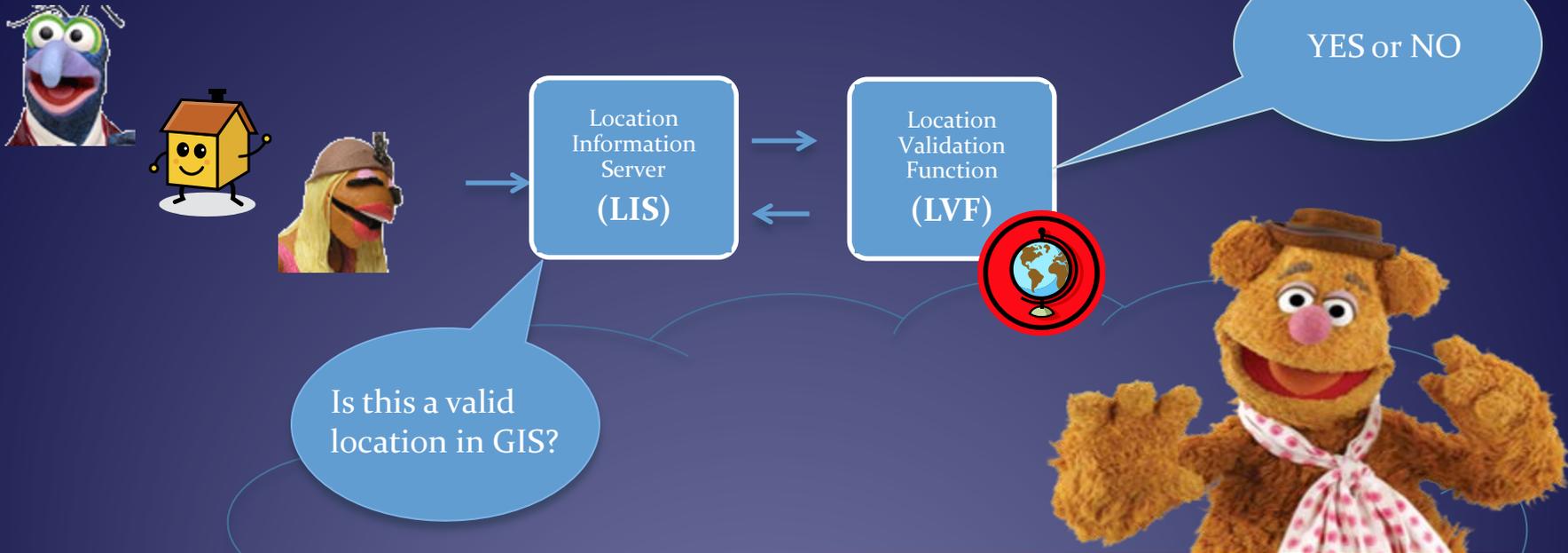
- Queried by calling devices
- Civic addresses are validated prior to being stored in the database
- Returns a **3.** _____ – can be a civic address or a geo-coordinate



2. _____

- Pre-validation, validates before loading to the  database
- Similar to MSAG, verifies that the civic location matches a known address in the 9-1-1 Authorities service area
- Able to validate an address, not just address range
- Receives as input: **5.** _____ and **6.** _____ – returns – location validation
- Queried by **7.** _____

Location Validation



1. LIS – Location Information Server

- Queried by calling devices
- Civic addresses are validated prior to being stored in the database
- Returns a 3. PIDF-LO (Presence Information Data Format – Location Object) – can be a civic address or a geo-coordinate

2. LVF – Location Validation Function

- Pre-validation, validates before loading to the 4. LIS database
- Similar to MSAG, verifies that the civic location matches a known address in the 9-1-1 Authorities service area
- Able to validate an address, not just address range
- Receives as input: 5. location information and 6. service URN – returns – location validation
- Queried by 7. LOST protocol



Geospatial Call Routing

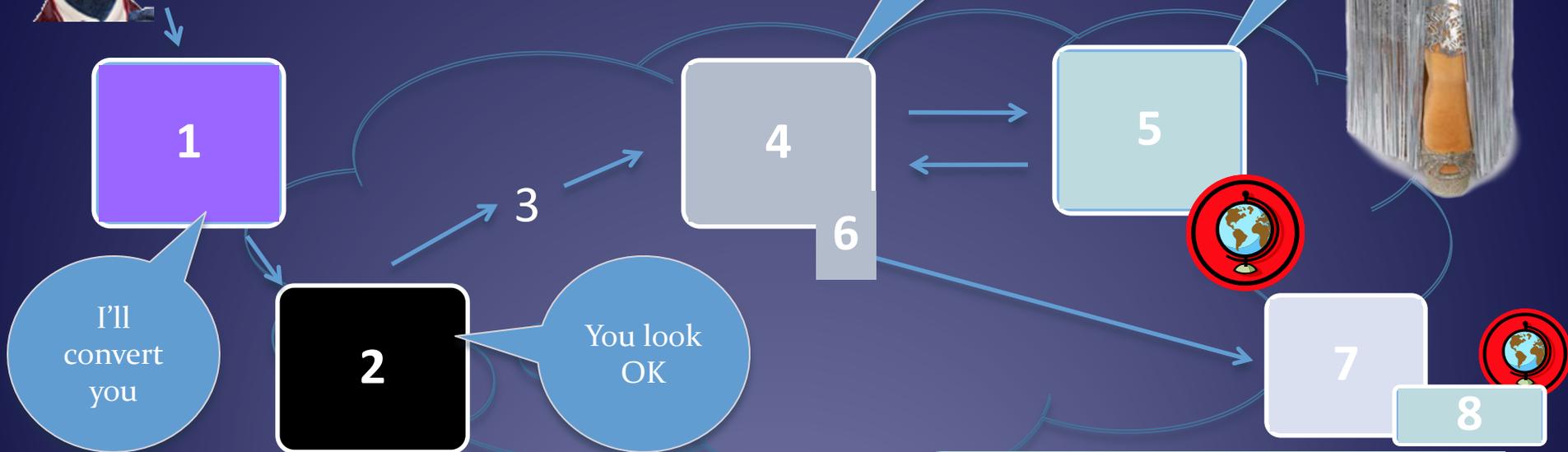


Legacy Call



Route to psap@paris.or.us

Where do I route the call?



I'll convert you

You look OK

4. _____
- Call routing engine
 - Closest thing to a selective router in NG9-1-1
 - Uses the 9. _____ (GIS) to choose how to route a 9-1-1 call

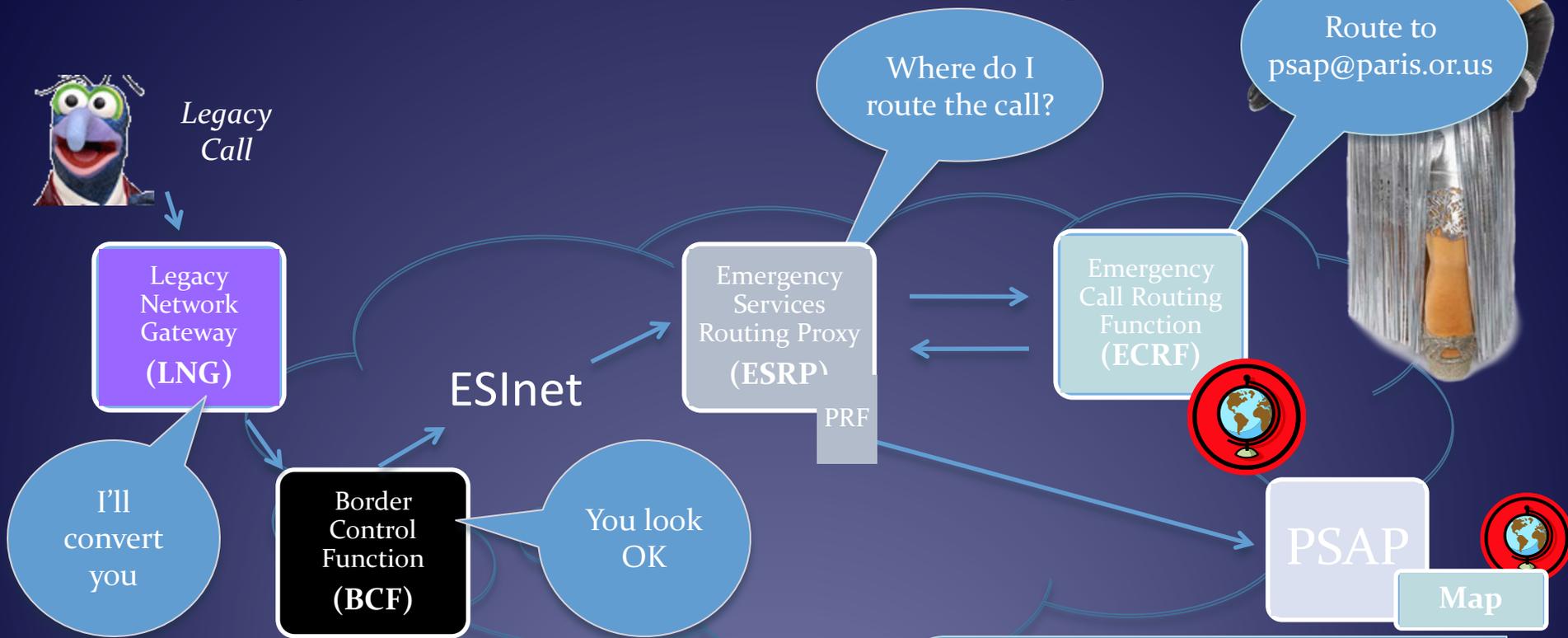
5. _____
- Provides GIS based Next Generation call routing
 - Replaces legacy selective router databases
 - Allows for alternate dynamic call routing
 - Receives as input: 10. _____ and 11. _____ – returns – 12. _____
 - Queried by 13. _____



Geospatial Call Routing



Legacy Call



4. ESRP – Emergency Services Routing Proxy

- Call routing engine
- Closest thing to a selective router in NG9-1-1
- Uses the 9. ECRF (GIS) to choose how to route a 9-1-1 call

5. ECRF – Emergency Call Routing Function

- Provides GIS based Next Generation call routing
- Replaces legacy selective router databases
- Allows for alternate dynamic call routing
- Receives as input: 10. location information and 11. service URN – returns – 12. route URI
- Queried by 13. LoST protocol

