

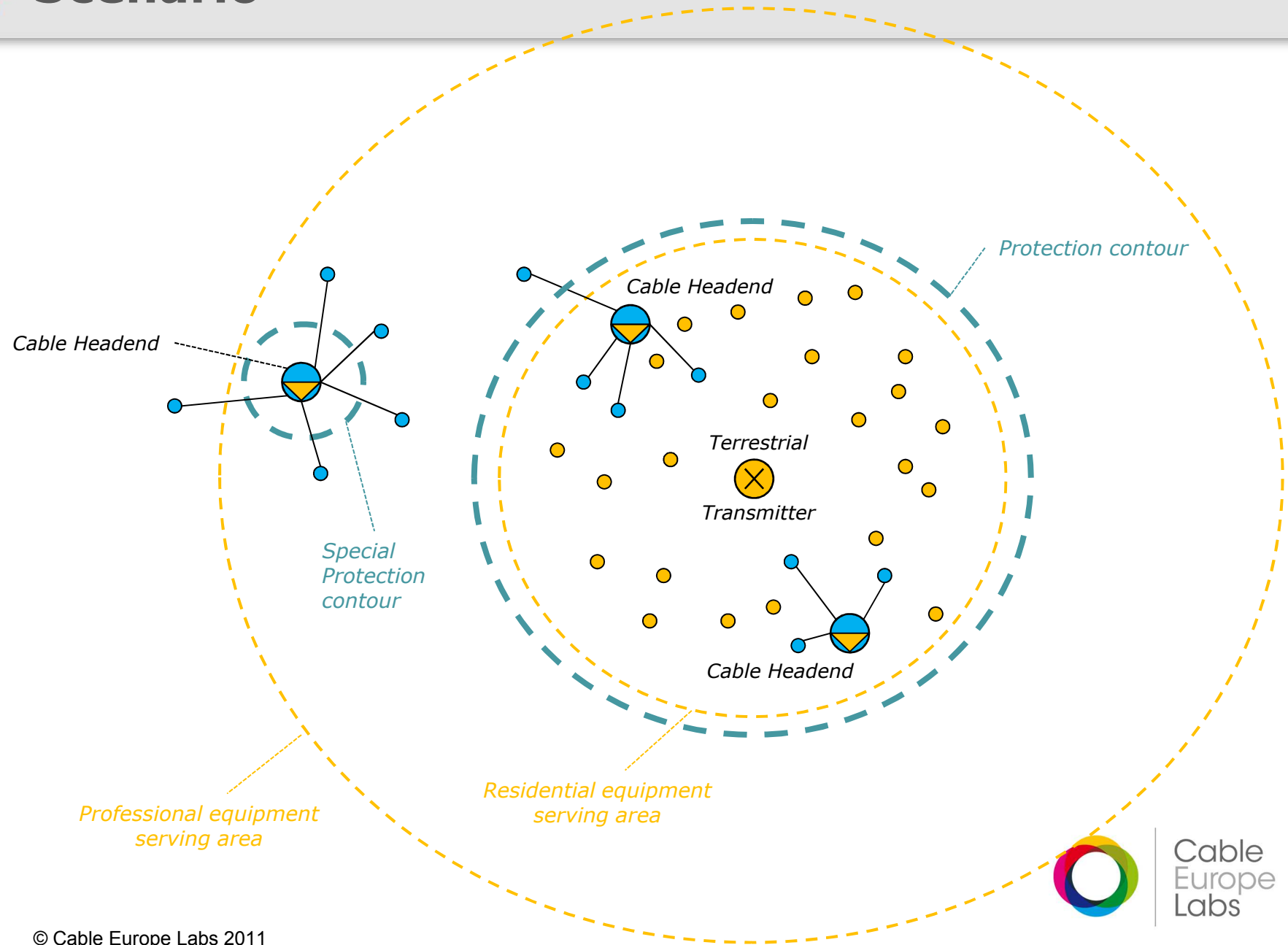


Background

- **SE43 is to do a preliminary analysis on WSD impact on Cable headends.**
- **Cable headends are facilities that acquire and distribute video service signals over a cable television system. In many cases, the Cable headend will use an antenna with a high gain mounted high on a tower to receive TV station signals beyond the station's service area for residential terrestrial receivers.**
- **A liaison statement was sent to ETSI TC ERM to request the system characteristics of cable headend receivers.**
- **We can assume that Cable headend receivers as receivers of terrestrial broadcasters services are covered by the ECC Report 159 in a similar way to residential receivers.**
- **The FCC special protection to Cable headends is granted to the ones that are situated outside the protection contour.**



Scenario





Scenarios

- **Broadcasters provide their content to end users either directly via residential receivers or indirectly via cable redistribution.**
- **Cable Headend receiving then redistributing broadcasters terrestrial services should be protected as primary users of the radio frequencies.**
- **Via Cable redistribution, end users of broadcasting services could be located outside the residential equipment service area covered by terrestrial services.**
- **Thanks to high gain antenna and professional receivers, Cable headend could be located outside the residential equipment service area but still able to receive terrestrial broadcasting services.**



Cable
Europe
Labs



Points to clarify

- **What is the proposed protection radius and how is it calculated?**
 - Have professional receiving equipment been considered?
 - Characteristics of Cable headend using professional equipments
 - ⇒ Specific request has been made to ETSI
- **Studying protection of Cable Headend:**
 - What specific protection contour radius for Cable Headend?
 - Registration procedure to the geo-location database?