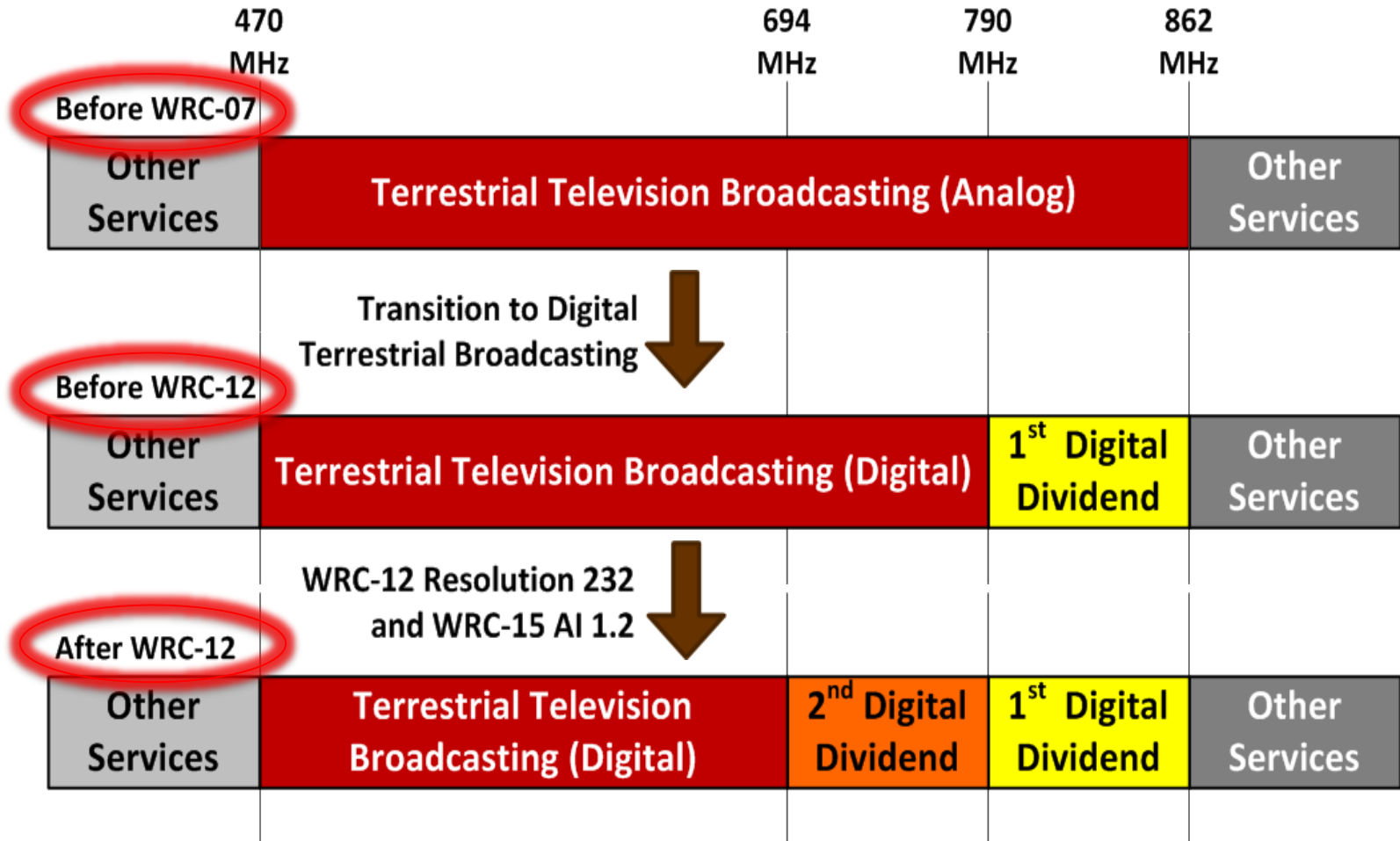


UHF: Lessons from the Past, the Present, and the *Future*

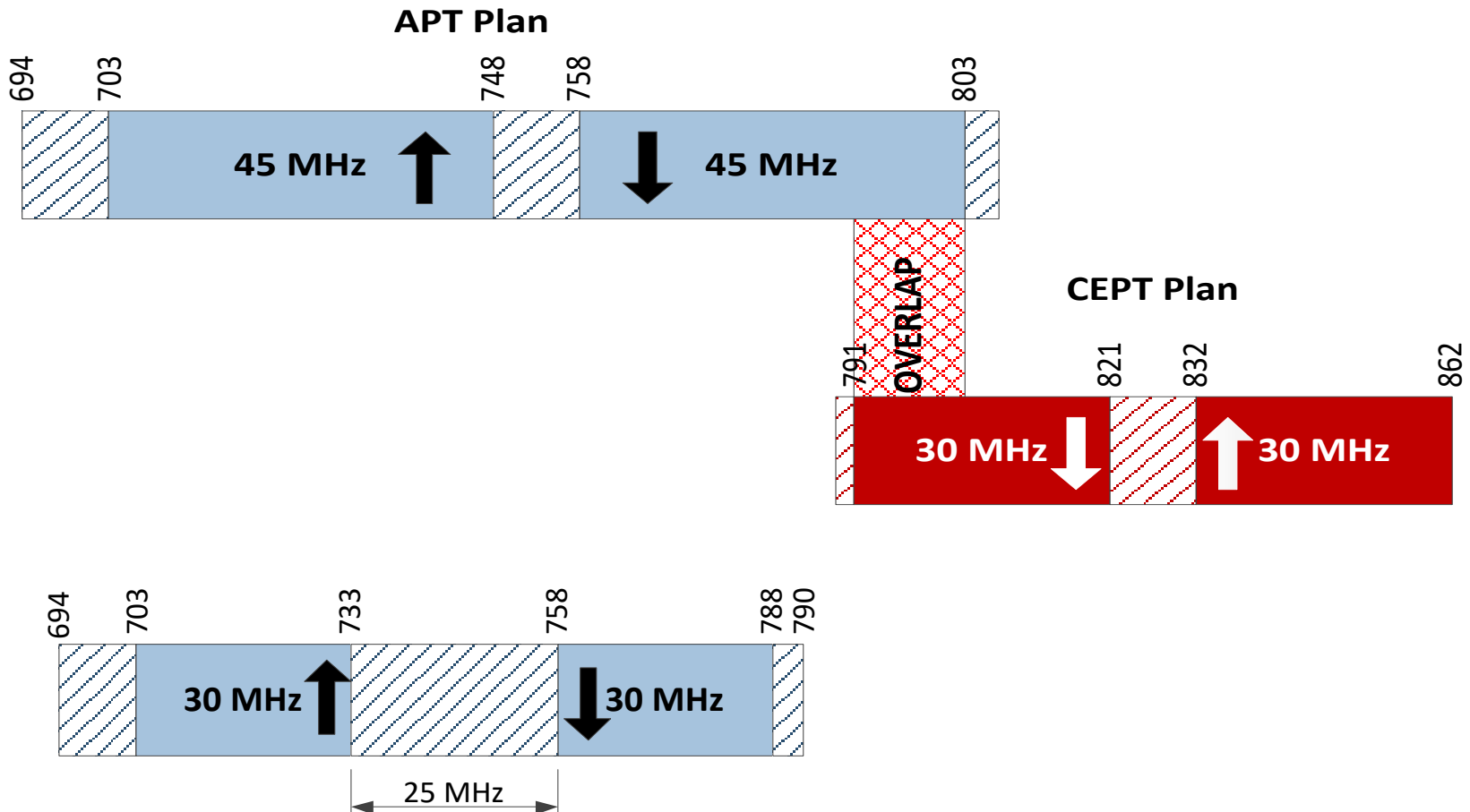
Mohamed El-Moghazi

The presenter is solely responsible for the opinions expressed in this presentation.

The Past



The Past

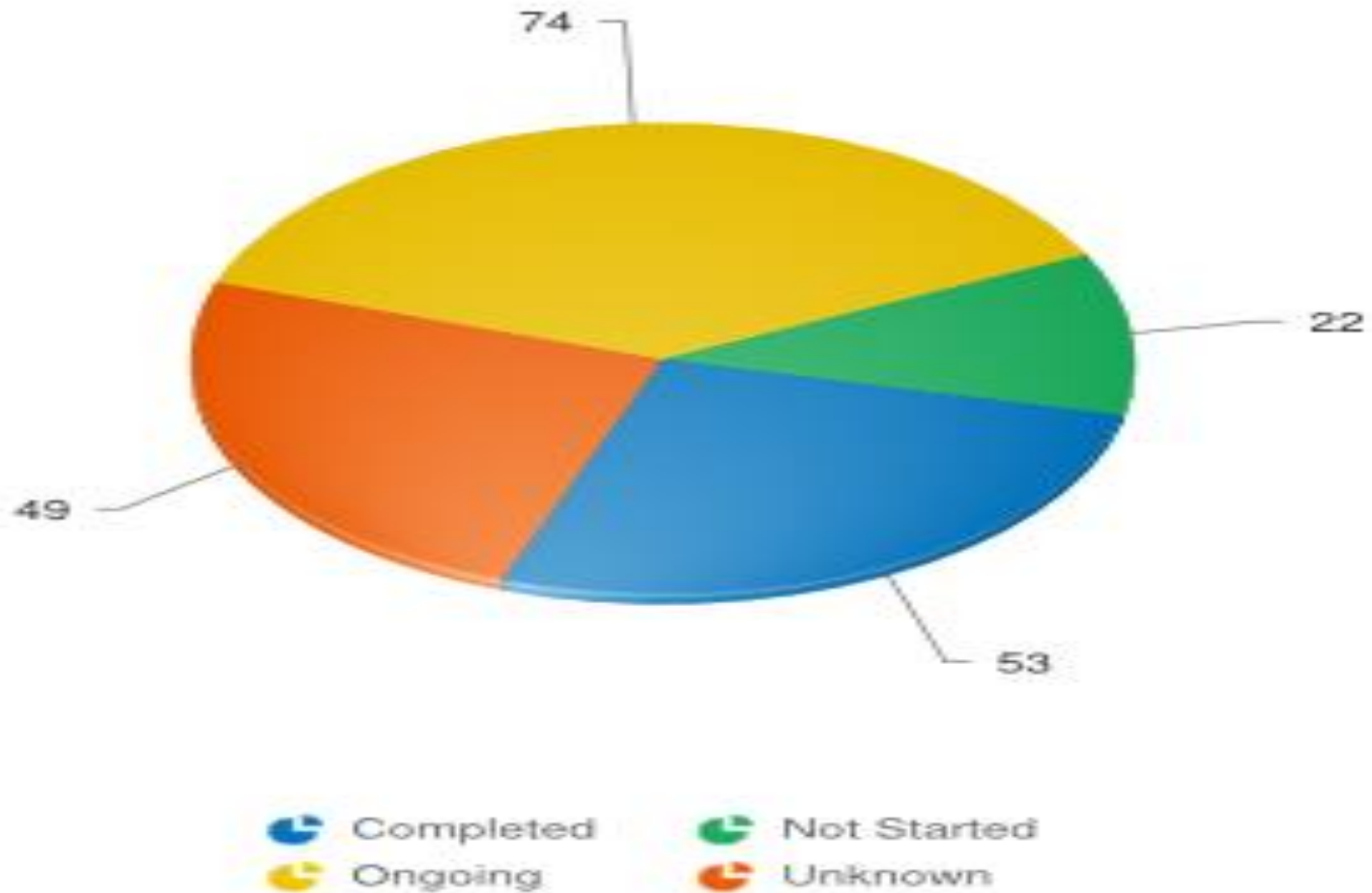


Source: Egypt. (2012). WRC-15 Agenda Item 1.2: Proposals for the Band Plan of the 700 MHz Band for Region 1. Paper presented at the 14th ITU-R WP 5D meeting, Geneva.

The Present

- In December 2016, the **EU** adopted a Decision that Member states must reassign the 700 MHz band **(694–790 MHz)** to wireless broadband services under harmonized technical conditions by 30 June **2020**.
- APT700 band 28 is already licensed to mobile operators in many countries in the **ITU-R three regions**.

The Present



(Source: ITU, 2018)

The Future

- The WRC-15 *resolves to invite ITU-R, after the 2019 World Radiocommunication Conference and in time for the 2023 World Radiocommunication Conference to*
 - review the spectrum use and study the spectrum needs of existing services within the frequency band 470-960MHz in Region1, in particular the spectrum requirements of the broadcasting and mobile, except aeronautical mobile, services, taking into account the relevant ITU Radiocommunication Sector (ITU-R) studies, Recommendations and Reports.

(Source: Resolution: 235 (WRC-15))

Lessons?

1948: "Television won't last. It's a flash in the pan."

Mary Somerville, pioneer of radio educational broadcasts.

1981: "Cellular phones will absolutely not replace local wire systems."

Marty Cooper, inventor.

Lessons?

Mobile



Broadcasting

Flexibility



Harmonisation

**The International Radio
Regulations should be a reflection
of our future needs.**

**Yet, they are in some cases a
snapshot of our mistaken
predictions of the future**