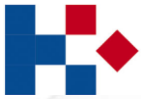


Radio spectrum policy in Croatia

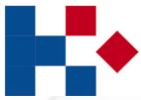
**Croatian Post and Electronic
Communications Agency
- HAKOM -**

Budva, 5th of February, 2010

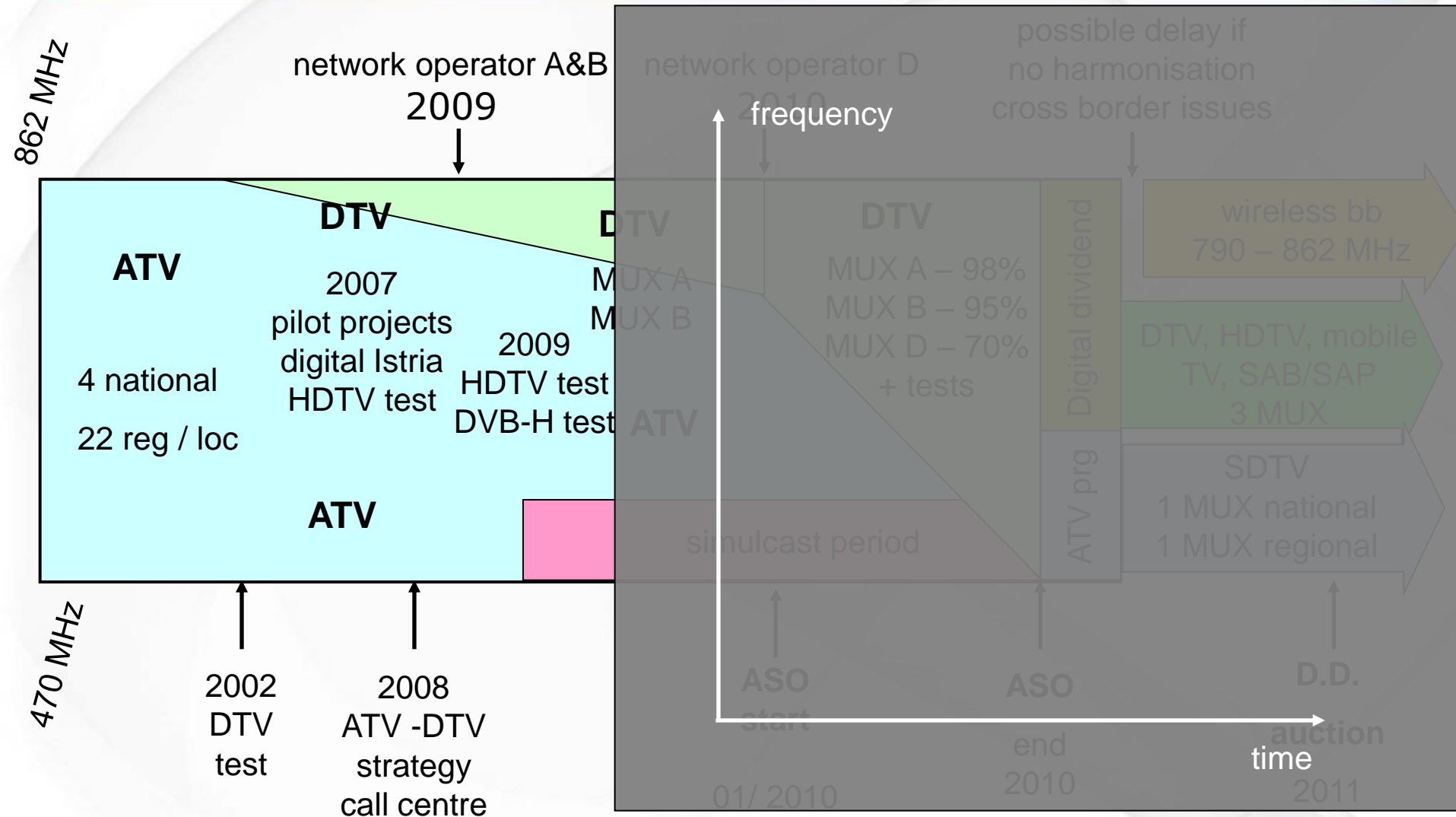


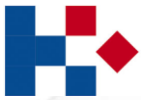
Radio spectrum – YEAR HIGHLIGHTS

- **2009 : GSM spectrum re-farming – *service & technology neutrality***
 - RF frequency allocation table, allocation Plan for 900 and 1800 MHz;
 - new authorisations for 3 operators; supporting mobile bb growth;
 - one operator uses UMTS in 900 MHz, other two plan to implement ☺
- **2010 : transition from ATV to DTV ; ASO – *efficiency evolution***
 - ATV – DTV simulcast, MUX A & B coverage > 95%, free to air content;
 - ASO process underway (26.01.10.), region by region;
 - final ASO end of 2010; ch. 61 – 69 no TV
- **2011 : digital dividend usage – *power of choices, who win ?***
 - opportunity for wide range of new services, enterants, technologies,
 - 790 – 862 MHz – wireless broadband services (IMT, LTE etc.)
 - TV services (DTT new content, HDTV, mobile DTV), SAB/SAP

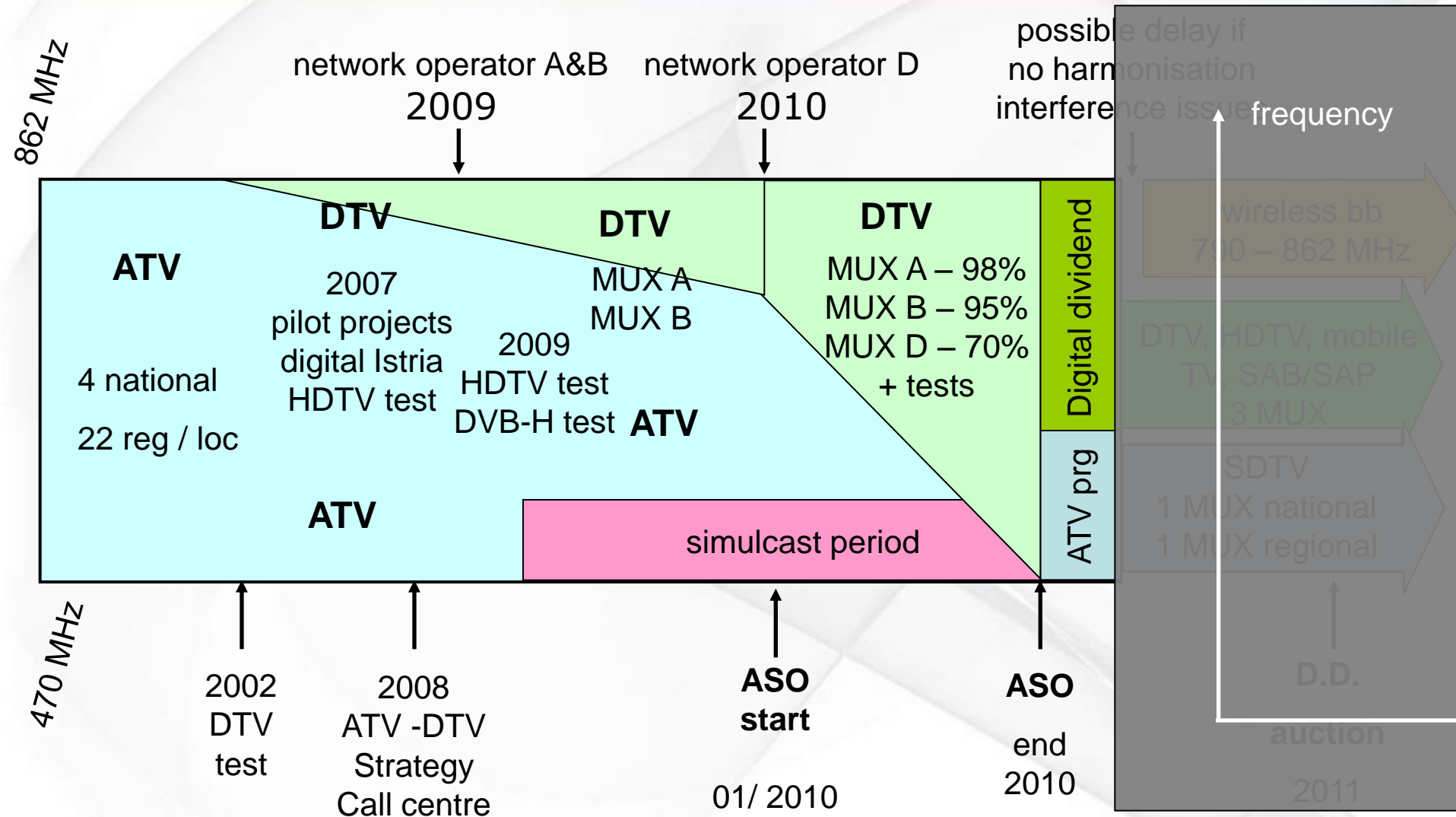


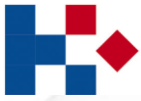
Digital dividend – HR roadmap



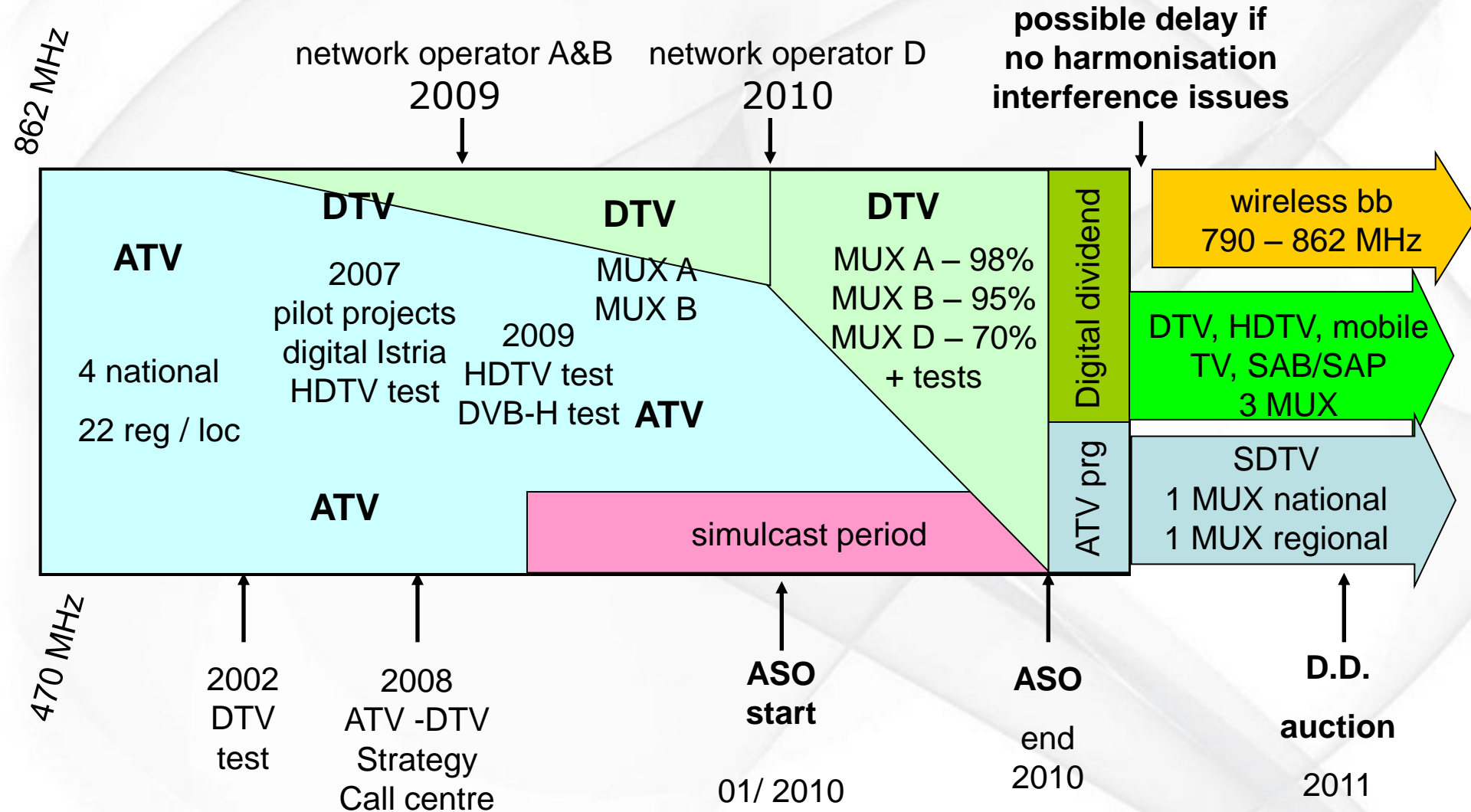


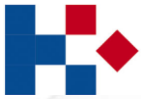
Digital dividend – HR roadmap





Digital dividend – HR roadmap





Digital dividend - international context

- **Have frame** of the big picture – roadmap, policy goals
 - economic and social benefits, synergy effects, opportunities
 - service & technology neutrality, greather flexibility
- **Have to** work out “dirty details” in close international cooperation
 - coordinate the spectrum policy
 - opportunity to harmonise availability of spectum at regional / EU
 - regulatory / commercial / technical considerations
 - how to efficiently use of dd spectrum
 - workable co-existence of HIGH – low power/density networks
 - cross border coordination – protection of existing users
 - interference issues / International regulation
 - heterogeneity of timeframe and approaches in use of spectrum



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**Thank you
for your attention !**

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