



Broadcasters Panel

HPA Tech Retreat 2013

Skip Pizzi

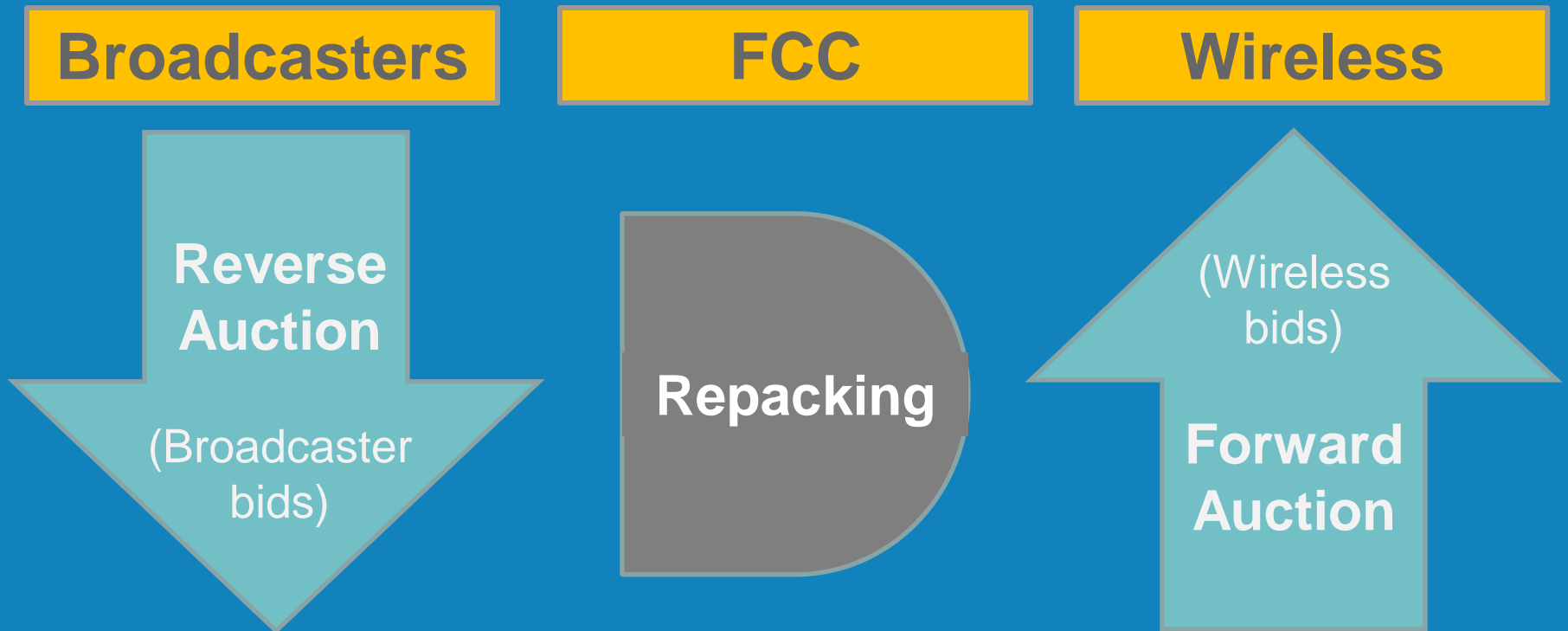
Director, Digital Strategies

NAB

FCC Incentive Auction

- NPRM released on September 28, 2012
- Comments were due by January 25, 2013
- Reply Comments due March 12, 2013
- FCC wants to complete rulemaking in 2013 and conduct auctions in 2014
- NAB, Verizon, AT&T, T-Mobile, Intel and Qualcomm filed a joint letter proposing a "core set of band plan principles" on how wireless and broadcast will co-exist post-auction

Incentive Auction Design

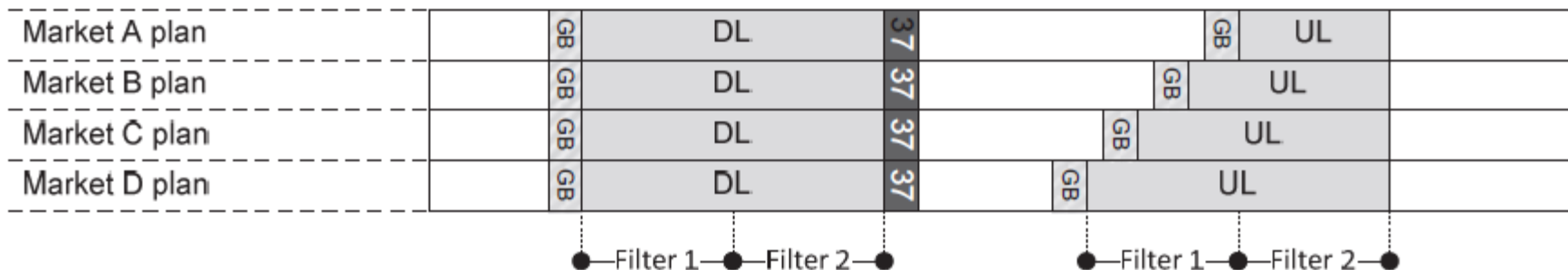


UHF BAND PLAN



X to be cleared nationwide

Y may be cleared by geographic area



- Concerns with Variable Plan
 - Guard bands are only a “within market” interference solution
 - Variable spectrum amounts allows co-channel operation between adjacent markets
 - Co-channel separations needed to prevent interference
 - Need to also take into account differences between wireless Economic Areas (EAs) and TV service areas

Principles in the Joint Letter

- Contiguous “down from TV 51” approach, uplink at top
- Maximize the amount of paired spectrum above TV 37
- Use 5 MHz spectrum blocks
- Duplex gap minimum of 10 MHz, but no larger than technically necessary
- No TV stations in the duplex gap
- Nothing in the duplex gap or guard bands that would interfere with adjacent licensed services
- Provide guard bands “no larger than is technically reasonable”
- Provide a guard band between a high power broadcaster and mobile downlink sufficient to protect wireless service from interference (likely <6 MHz proposed by FCC)
- Permit existing operations in TV 37 to remain
- Facilitate international harmonization, esp. North America, coordinating with Canada and Mexico for new broadcast assignments