



Law Seminars International  
**Wireless Telecommunications  
Conference**

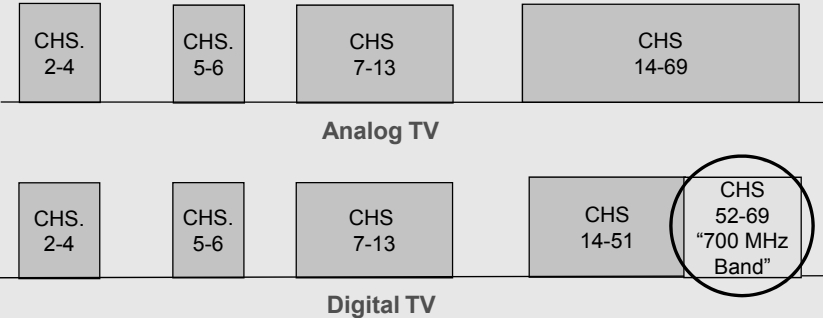
**The 700 MHz Auction**

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Seattle, Washington  
November 9, 2007

## DTV Transition

- \* **Television broadcasters converting from analog to digital technology**
  - \* DTV transition will be completed February 17, 2009
- \* **With DTV technology, the same number of stations can fit in less spectrum**



**Analog TV**

**Digital TV**

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## 700 MHz Spectrum

- \* **Television channels 52-69 (698-806 MHz)**
- \* **108 megahertz available for new services**
- \* **24 megahertz: public safety**
  - \* Including nationwide, interoperable broadband communications
- \* **84 megahertz: commercial services and guard bands**
  - \* New, innovative wireless broadband services for consumers
  - \* Auction of 62 megahertz scheduled to begin **January 24, 2008**.
- \* **Excellent propagation characteristics**
- \* **Revised service rules adopted July 31, 2007**

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## 700 MHz Band Plan

Block	Frequencies	Bandwidth	Pairing	Area Type	Licenses
A	698-704, 728-734	12 MHz	2 x 6 MHz	EA	176
B	704-710, 734-740	12 MHz	2 x 6 MHz	CMA	734
C	710-716, 740-746	12 MHz	2 x 6 MHz	CMA	734*
D	716-722	6 MHz	unpaired	EAG	6*
E	722-728	6 MHz	unpaired	EA	176
C	746-757, 776-787	22 MHz	2 x 11 MHz	REAG	12
D	758-763, 788-793	10 MHz	2 x 5 MHz	Nationwide	1***
A	757-758, 787-788	2 MHz	2 x 1 MHz	MEA	52**
B	775-776, 805-806	2 MHz	2 x 1 MHz	MEA	52**

\* These Blocks have been auctioned.  
 \*\* These Guard Band Blocks have been auctioned, but are being relocated.  
 \*\*\* This Block is associated with the 700 MHz Public/Private Partnership.

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## 700 MHz Public Safety Band Plan

763			769			775			793			799			805													
Public Safety Allocation						Commercial Allocation						Public Safety Allocation																
Broadband			G B			Narrowband									Broadband			G B			Narrowband							
CH. 62	CH. 63	CH. 64	CH. 65	CH. 66	CH. 67	CH. 68	CH. 69	CH. 70	CH. 71	CH. 72	CH. 73	CH. 74	CH. 75	CH. 76	CH. 77	CH. 78	CH. 79	CH. 80	CH. 81	CH. 82	CH. 83	CH. 84	CH. 85	CH. 86	CH. 87	CH. 88	CH. 89	CH. 90
764			770			776			782			788			794			800			806							

- \* **Wideband spectrum redesignated for broadband use to allow interoperable broadband communications.**
- \* **Single, nationwide license for broadband spectrum to be assigned to Public Safety Broadband Licensee.**
- \* **Public Safety Broadband Licensee will be part of Public Safety/Private Partnership.**

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## 700 MHz Public/Private Partnership

- \* **Partnership between Upper D Block commercial licensee and Public Safety Broadband Licensee.**
- \* **Will develop a nationwide, interoperable broadband communications network**
  - \* For commercial and public safety use.
  - \* Will enable effective communications among first responders from different departments and jurisdictions during emergencies.
- \* **Terms of Partnership:**
  - \* Public safety licensee will have priority access to commercial spectrum in emergencies.
  - \* Commercial licensee will have preemptible, secondary access to public safety spectrum.
  - \* Governed by FCC rules and Network Sharing Agreement.

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## 700 MHz Performance Requirements

- \* **More stringent.**
- \* **Will promote better access to spectrum and service in rural areas.**
- \* **CMA and EA licensees must serve:**
  - \* 35% of geographic area within 4 years.
  - \* 70% of geographic area by end of license term.
- \* **REAG licensees must serve:**
  - \* 40% of population within 4 years.
  - \* 70% of population by end of license term.
- \* **If 4-year requirement not met, license term reduced from 10 to 8 years.**
- \* **If end-of-term requirement not met, unused areas terminate automatically (“keep what you use” policy).** 7

## 700 MHz Open Platform

- \* **Upper C Block licensee will be required to provide a platform more open to devices and applications.**
- \* **Will allow consumers, device manufacturers, third-party application developers, and others to use any device or application of their choice on the network in this band**
  - \* Subject to certain reasonable network management conditions that allow the licensee to protect the network from harm.
- \* **Will facilitate innovation, investment, and next generation wireless broadband services in urban and rural areas.**

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## 700 MHz Auction Timeline

- \* **August 17, 2007: Comment PN released**
  - \* Sought comment on specific auction procedures
- \* **October 5, 2007: Procedures PN released**
  - \* Provided procedures, terms and conditions for the auction event
- \* **November 20, 2007: Bidder Seminar**
  - \* Introduces potential participants to auction rules and process
- \* **December 3, 2007: Short Form Application Deadline**
  - \* Applicants file Information on their structure, ownership, licenses of interest, and financial and legal certifications.
  - \* Applicants must file in order to participate in auction.

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## 700 MHz Auction Timeline

- \* **December 2007: Status PN**
  - \* Will lists short form applications that are accepted, rejected, or incomplete. Incomplete applications can be resubmitted.
- \* **December 28, 2007: Upfront Payment Deadline**
- \* **January 2008: Qualified Bidder PN**
  - \* Will announce bidders qualified to participate in auction.
  - \* “Qualified” = short form application accepted and upfront payment made.
- \* **January 18, 2008: Mock Auction**
- \* **January 24, 2008: Auction Begins**

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## **700 MHz Auction Rules**

- \* **Anonymous bidding**
  - \* Information on specific applicants' interests in the auction, including license selections and bidding activity, will be withheld until after the close of the auction.
- \* **Anti-Collusion Rules**
  - \* In effect from Short Form Application deadline before auction until down payment deadline after auction closes.
- \* **Package bidding for 12 REAG Upper C Block licenses**
  - \* To assist bidders seeking a nationwide footprint.
- \* **Aggregate reserve prices established for each block.**

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