

The background of the slide features a stylized world map with a blue and green color scheme, overlaid on a light blue sky with white stars. Two satellite models are positioned in the upper half of the frame, each with two long, rectangular solar panel arrays extending outwards. The satellites are shown from a perspective that suggests they are in orbit around the Earth.

Commercial X-Band Supports DoD Need for Commercial Capacity

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Commercial X-Band Capacity

- **ComSatComm meets over 80% of DoD requirements**
- **DISA predicts continued need: 2010~10Gbps / 2015 ~25+Gbps**
- **Lack of “traditional” commercial capacity (C, Ka, Ku) particularly acute in some regions: SWA, Middle East, Africa, some open ocean areas**
- **Over looked resource: Commercial X-Band is there now, where needed**
 - **Paradigm Skynet 4 & 5**
 - **XTAR**



Better X-Band Utilization

- **X-Band offers significant capacity in needed areas: SWA, Mid-East, Africa, open ocean**
- **High power transmitters and steerable beams offer a clear performance advantage for high data rate users, small deployable terminal, and comms-on-the-move**
- **“Train up” in anticipation of WGS transition**
- **Single hop Iraq to CONUS**
- **Single hop Afghanistan to Europe**
- **Treat cost just like any other CommSatCom buy: pay for C, Ka, Ku, or commercial X, its all commercial**



Challenges, Opportunities, and Rolls

- **Opportunities working with the government**
 - ComSatComm needs growing
 - More bandwidth intensive applications like UAV's
- **Challenges working with the government**
 - Lack of forecasting
 - Lack of significant budget line item
 - Perception that X-Band is “free”
to user: why pay for commercial X-band?
- **What role will commercial SATCOM services play in the ongoing wars in Iraq and Afghanistan?**
 - Continue to support variety of mission requirements

A horizontal banner image featuring a satellite in orbit on the left and right sides, with a stylized Earth map in the center. The word "Summary" is written in large, white, bold letters across the center of the banner.

Summary

- **DoD and other U.S. Government capacity requirements continue to grow beyond ability of USG assets to supply**
- **DoD and industry need to work more closely together**
- **Need to consider all commercial alternatives – C, Ka, Ku, X**
- **Cost should be thought of as same as other commercial bandwidths**