



# ***Wireless Broadband Access (WBA)***

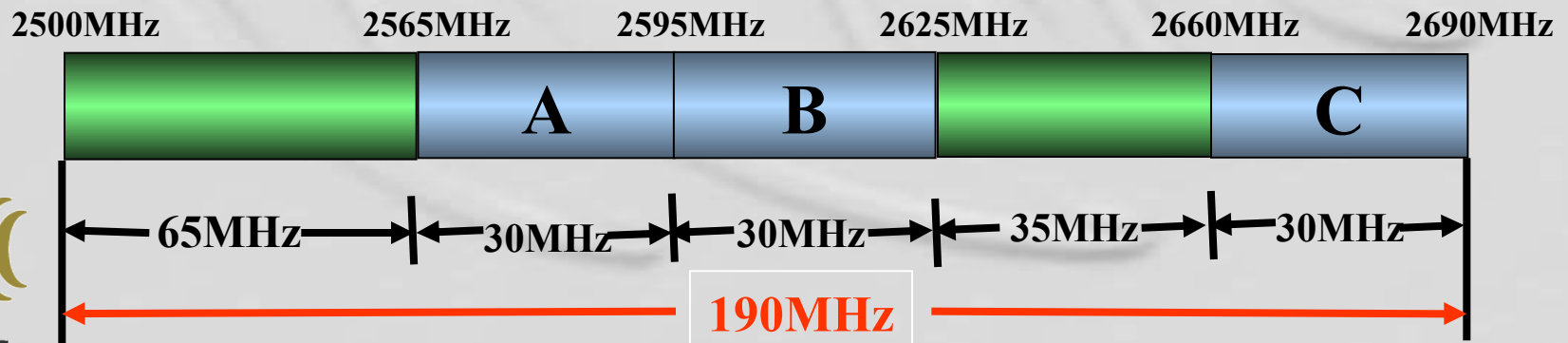
## ***Regulatory Policy and Mechanism***

***Jimmy Hsieh***  
***Commissioner***  
***National Communications Commission***  
***April 24, 2007***



# Spectrum Allocation

- ◆ **2.5GHz to 2.69GHz release for mobile BWA**
  - ◆ **Two-phase license issuance**
  - ◆ **Phase one release 90MHz**
  - ◆ **Phase two release 100MHz**
  - ◆ **2.5GHz to 2.69GHz was already at Mar. 07'**
  - ◆ **3.4GHz to 3.487GHz release for fixed BWA**
- ⇒ **Release for fixed network operators**



# Two-phase License Issuance

## ◆ Phase One : Regional Licenses

- ⇒ Around July of 2007
- ⇒ licenses will be valid for a period of six years & Can be renewed only once
- ⇒ licenses may be merged and converted to a nationwide
- ⇒ Each licensee will be assigned a **30-MHz** with no guard bands for TDD use
- ⇒ Issuing 3 licenses per region (**North & South region** of Chinese Taipei )
- ⇒ A total of **6** licenses will be issued and each application cannot be granted more than one license
- ⇒ Selected License **X1** and **X2** reserved for green fielder & limited to IEEE 802.16e standard
- ⇒ NCC set up the panel to determine the qualification of the applications. There are 11 judges, including 3 commissioners, 2 government officers, and 6 professors, who are excellence with finance, engineering, communication, and industrial economic.



# Two Stages Licensing Method

## ◆ First Stage :

⇒ Business planning book : 80 points

- Network deployment and technology ability ( 28 points )
- Service and operation planning ( 23 points )
- Financial planning ( 23 points )
- planning for protection of rights of subscribers ( 6 points )
- items which could add points ( 5 points )

⇒ Face - to face talk : 20 points

- ⇒ The applicant which pass the reviewing process (over 75 points) will become qualified bidders.
- ⇒ the total direct shareholding by foreigners <49%
- ⇒ the sum of direct and indirect shareholding by foreigners <60%

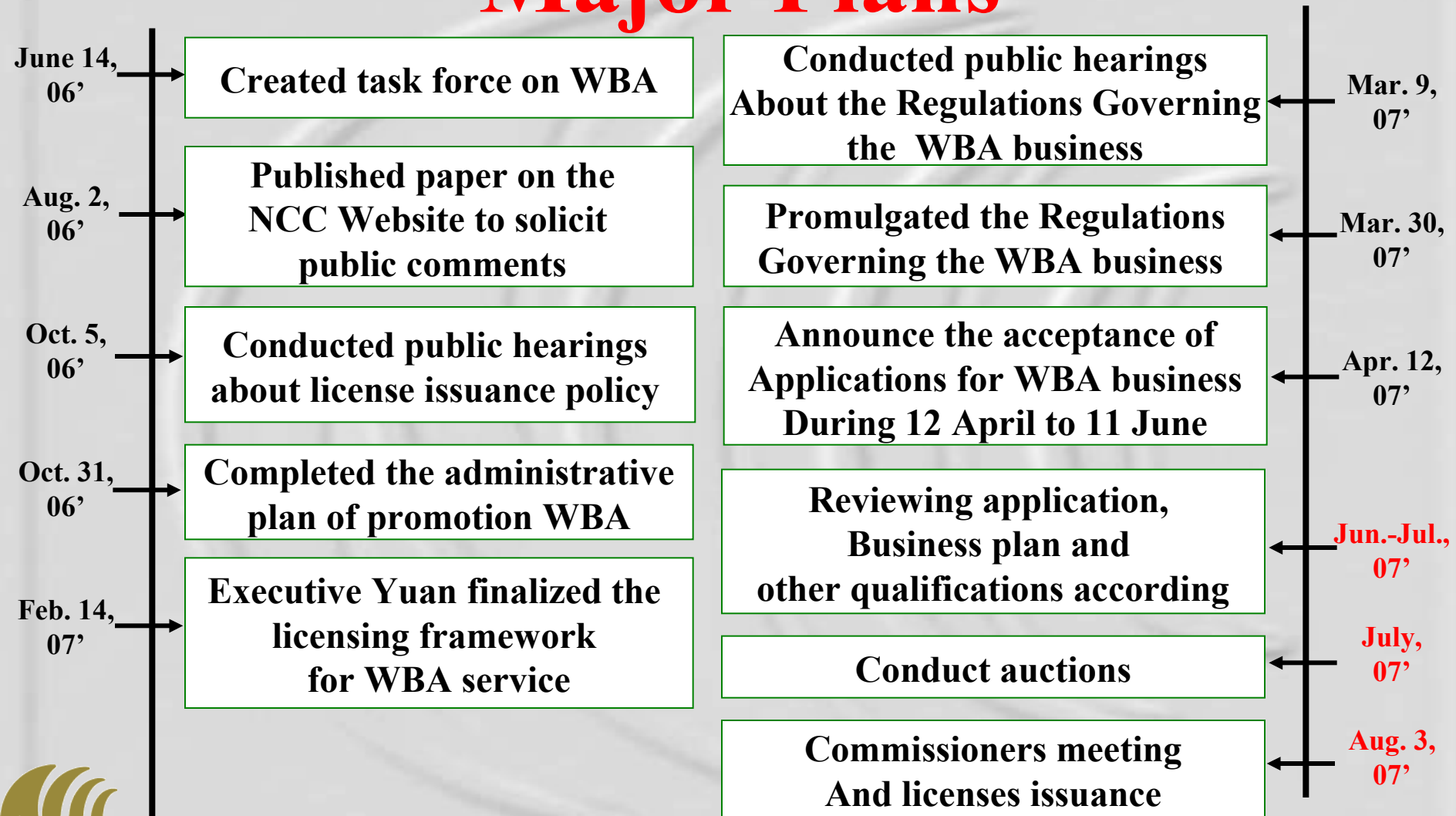
## ◆ Second Stage :

⇒ Auction



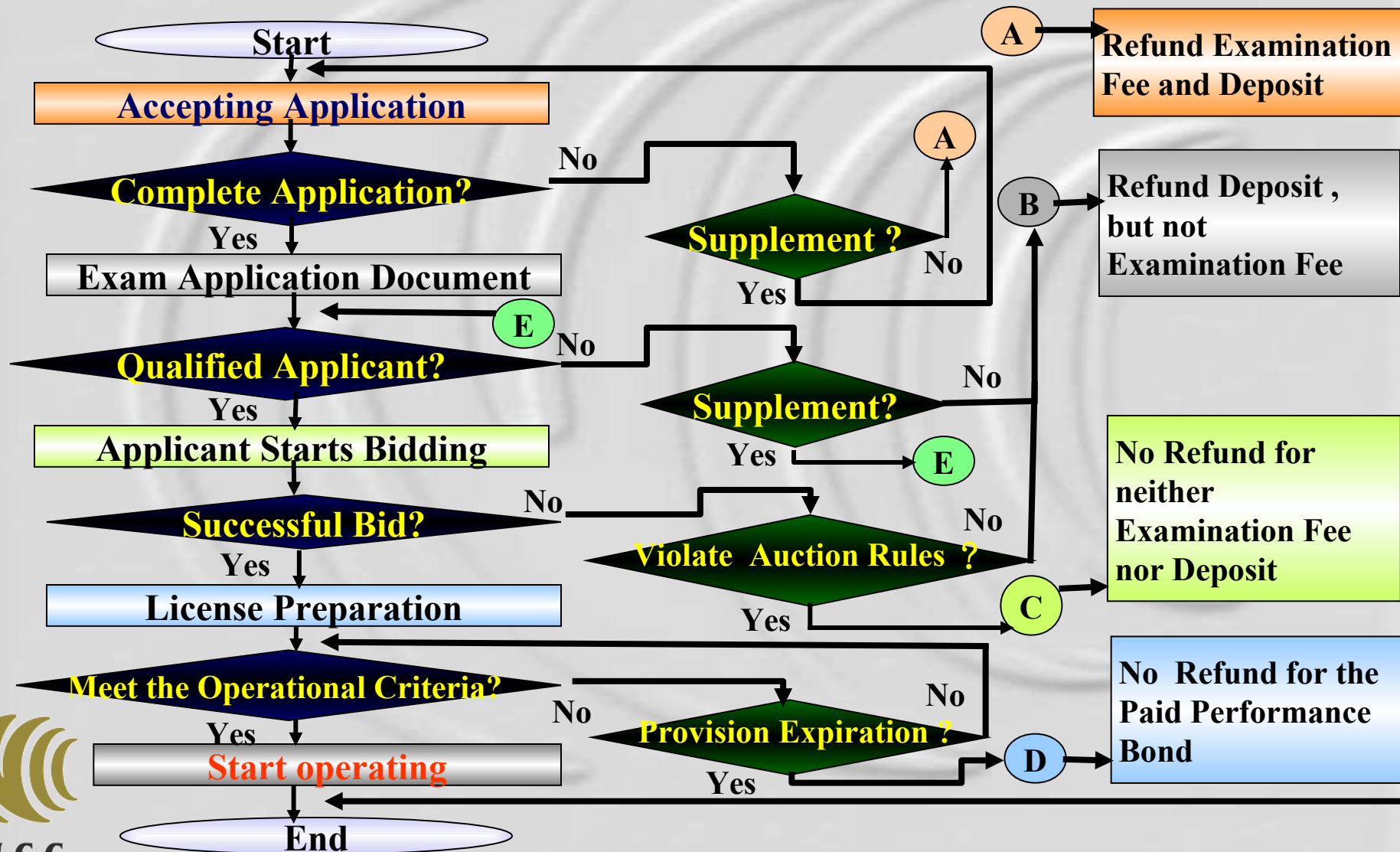
NCC

# Major Plans



NCC

# Licensing Framework



# Reference

- ◆ **Telecommunications Act**  
*(<http://www.ncc.gov.tw/English/Regulations/TelcommunicationsACT.htm>)*
- ◆ **Regulations Governing the WBA Business**  
*(<http://www.ncc.gov.tw/newinfor/data/newinfor-960402-1006-2.pdf>)*
- ◆ **Published paper on the NCC website (August 2,2006)**  
*(<http://www.ncc.gov.tw/newinfor/data/newinfor-951117-358-1.htm>)*
- ◆ **Conducted public hearings about License Issuance policy (October 5,2006)**  
*(<http://www.ncc.gov.tw/newinfor/data/newinfor-950912-321-1.pdf>)*
- ◆ **Conducted public hearings about the Regulations Governing the WBA Business (March 9,2007)**  
*([http://www.ncc.gov.tw/newinfor/plan\\_detail.asp?id=949](http://www.ncc.gov.tw/newinfor/plan_detail.asp?id=949))*
- ◆ **Announced the acceptance of applications for WBA business during 12 April to 11 June**  
*([http://www.ncc.gov.tw/newinfor/plan\\_detail.asp?id=1017](http://www.ncc.gov.tw/newinfor/plan_detail.asp?id=1017))*







**Thank you for Your Attention!**

