

## **Telecommunication Sector in Sudan**



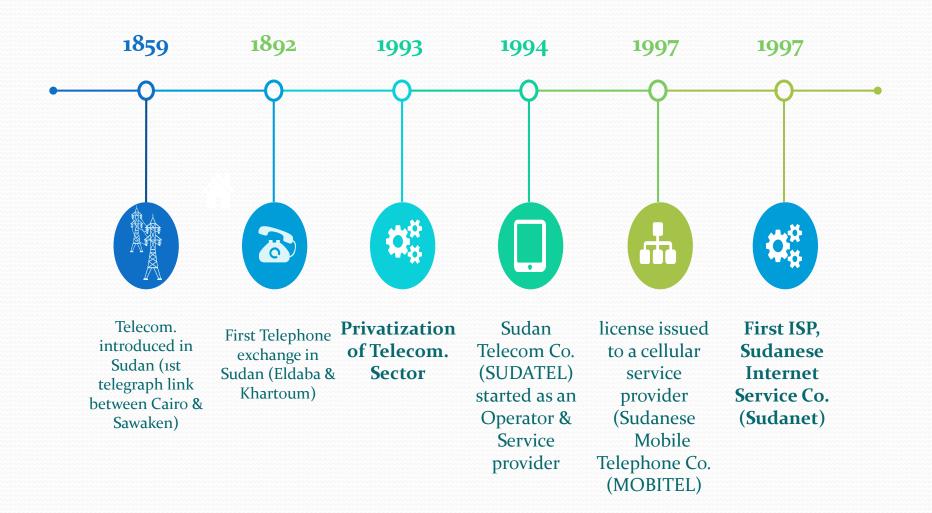






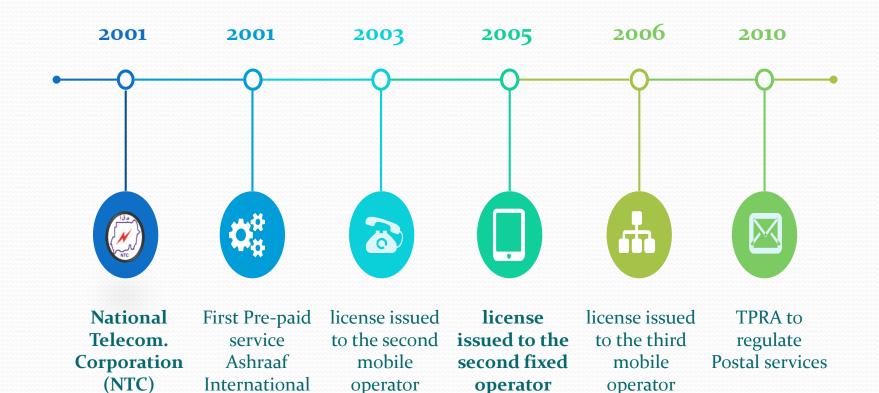


# **Telecommunication Progress**





# **Telecommunication Progress**



(Canar)

(Sudani)

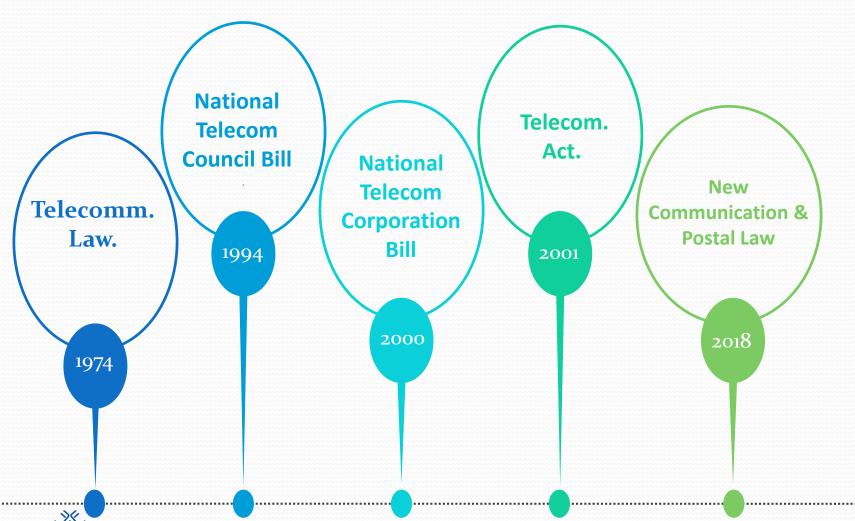
(Areeba)



formed

under Telecom. Act 2001 (Ashraaf com)

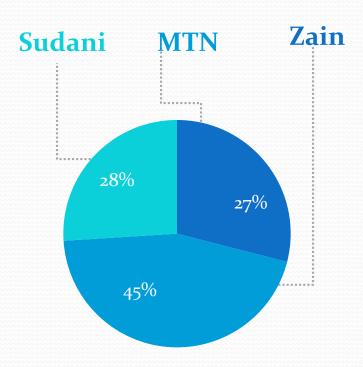
# Legislations



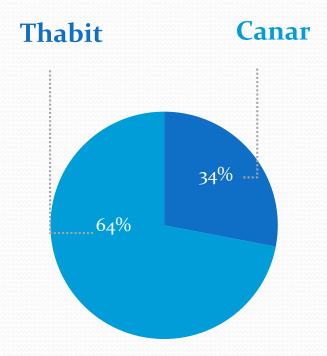


# **Operators Market Share**

#### **Mobile Market Share**



#### **Fixed Market Share**





# **Current Status**

Fully privatized
Sector with 4
companies
operating: 1 on the
Stock Exchange and
2 Private Companies
owned by
international
entities: Zain, MTN

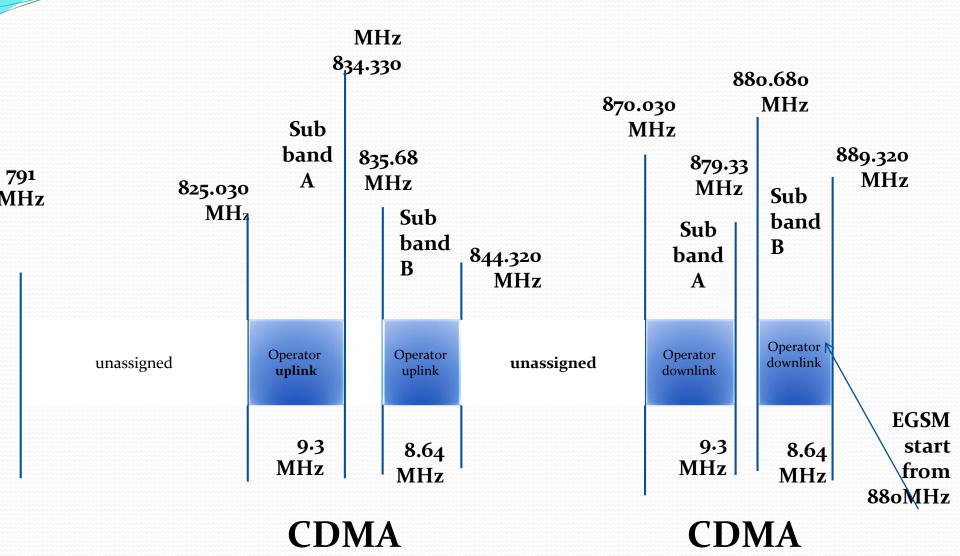
3 delivering mobile services and 2 managing the main backbone network for the country and delivering fixed network services.

## 4G In Sudan

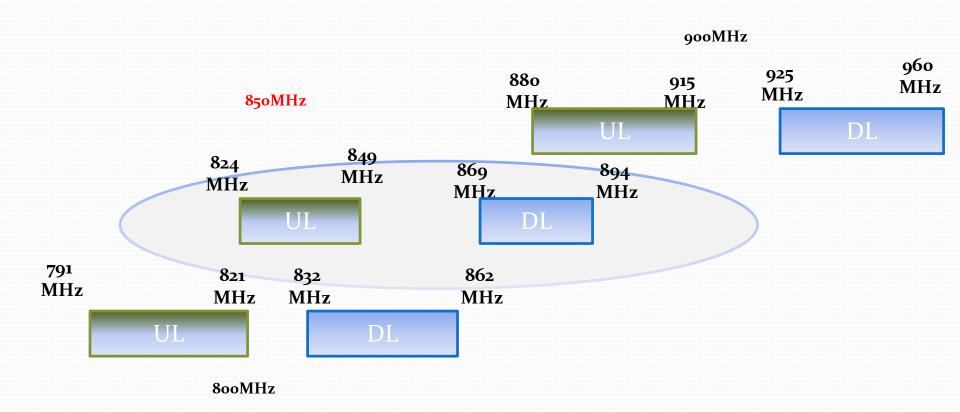
In first quarter of 2016 Zain Sudan has been awarded LTE License by TPRA, paving the way for the introduction of high speed 4G data services in Sudan. Recently Sudani has launched 4G service and MTN in Sudan also Canar awarded 4G service for Fixed services.

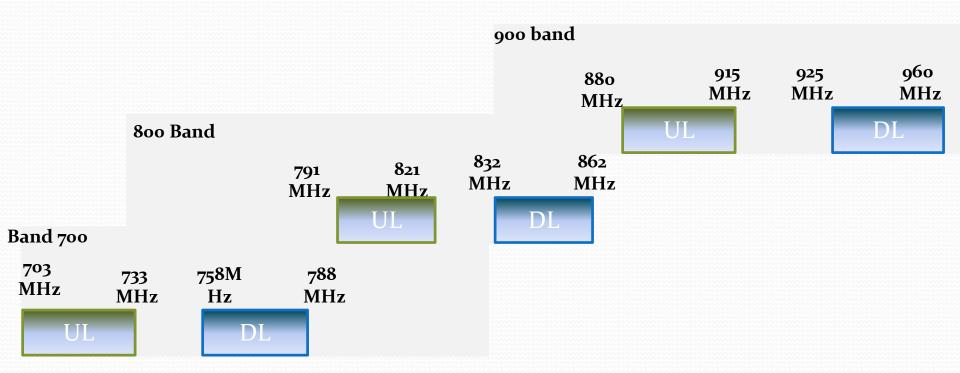


### The historical assigned of 800 MHz band



### 850 interferes with 800 MHz and 900 EGSM





#### Settlement the Problem

#### The settlement by 3-steps

### Step 1

- •Formation of a joint committee
- •Technical aspect.
- •The financial aspect.

### Step 2

- •Adoption of spectrum allocation policies
- •Allocate 700MHz &800 for LTE

Step 3

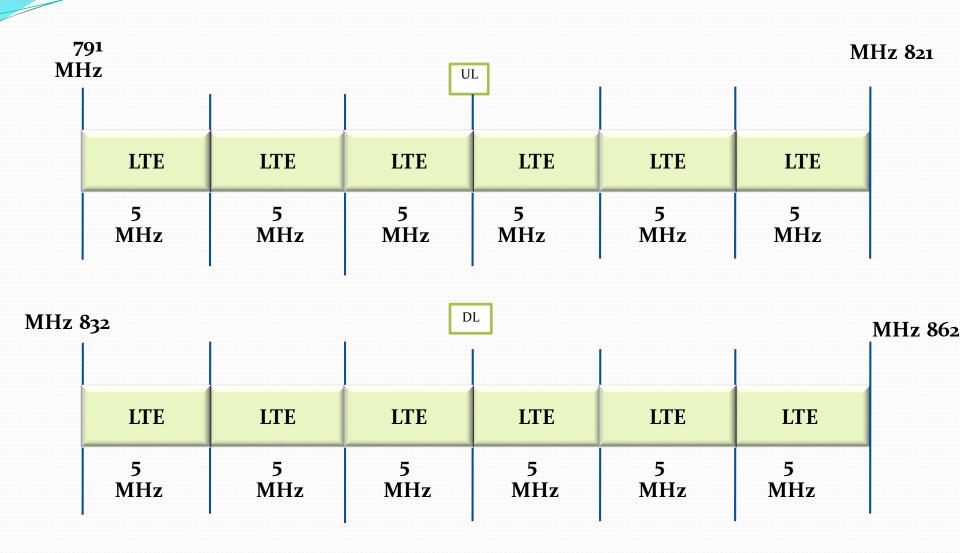
#### part of Addendum and the License Agreement.

| Up link | Down link | Bandwidth |
|---------|-----------|-----------|
| 791-801 | 832-842   | 2x10 MHz  |

The Licensee has to evacuate the rest of the frequencies in the 850 Mhz band (842-844.320) before the end of the first quarter of 2018 and is allowed to use the band (825-835; 870-880) for three years and six months using it for the Service starting from the effective date of this Addendum, without affecting the assigned spectrum in the 800 band

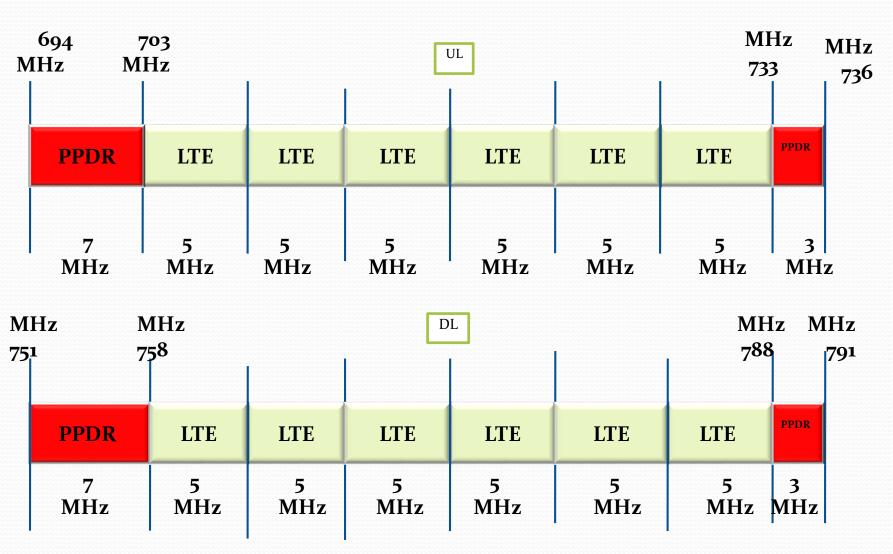


## planning proposals of 800 Mhz



5 MHz

## planning proposals of 700



### **Thank You**