Smart TV and HbbTV Developments in the MENA Market

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HbbTV Development in Vestel Smart TVs

2 key triggers

We as Vestel

- Looks for new Smart TV market outside of Europe, which is currently main market
- Has deeply got involved in DVB-I & HbbTV, so as to Eutelsat

Common target we jointly found, which would be



(Internet - connected use case)

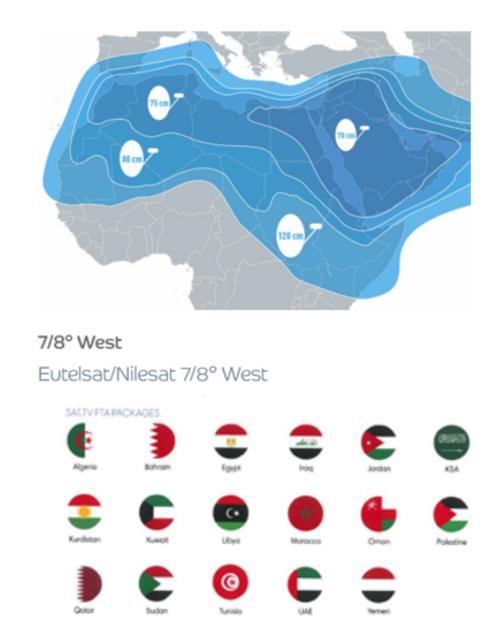


HbbTV Development in Vestel Smart TVs



Free to View service

- Already exsisting service developed by Eutelsat on STB over DTH
- Available for Nilesat where all the popular TV channels are broadcasted in MENA maekets
 1,200 CHs installed per Category and Genre
- DSMCC enables to distribute Metadata over DTH such as CHs list & TV Guide with CH logo in Arabic style
- LCN update available



(Non Internet - connected use case)



New Differentiative/Innovative Development in Vestel Smart TV

Our initial idea was just to implement



as one of DVB-I & HbbTV projects.....

However, getting knowing that Internet connected ratio is far different

UAE: very high

KSA: middle

Egypt: very low like 15% (internet is connected just when Youtube is watched)

Finally, our Smart TV supports





New Differentiative/Innovative Development in Vestel Smart TV



To implement Sat.tv



on Smart TV

referring to DVB-I as Service discovery & HbbTV

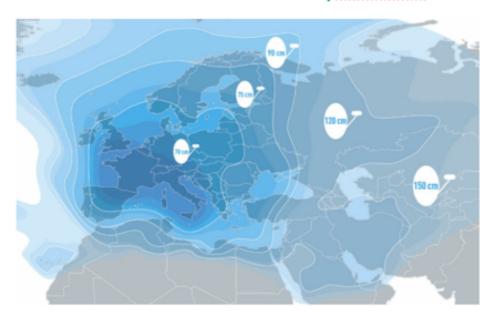
DVB-I discovers service profile per country (MENA), then HbbTV distributes Metadata of the country



Targeted Advertisement (TA) for Monetization

Not only MENA markets, also **European markets**

(Hotbird 13° East)





Service profile per language

Targeted Advertisement (TA) for potential monetization

TA over HbbTV (Sat.TV Connect)
 Unfortunately, a Satelitte broadcaster
 decided to hold HbbTV TA

Overlaying with L-shape banner, video is technically possible (HbbTV 1.5)

TA over DTH (Sat.TV)
 New project --- subject to Eutelsat

We'll continue to investigate any opportunity upon coming HbbTV Symposium @ Istanbul



Thank you & Teşekkürler