TASIM
what is it, how is it

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What is TASIM?

- Trans–Eurasian Information Super Highway (TASIM) project is a major regional initiative aiming at creation of transnational fiber-optic backbone targeting primarily the countries of Eurasia from Western Europe to China.
TASIM initiative was put forward in 2008

- During the Ministers’ Summit held within the framework of the 14th Azerbaijan International Telecommunication and Information Technologies Exhibition and Conference in November 2008, the Ministry of Communications and Information Technology of Azerbaijan put forward the initiative to launch a project on building of the Trans–Eurasian Information Super Highway (TASIM). The project envisages building of an information superhighway that will benefit more than 20 countries of Eastern Europe and Central Asia.
Baku Declaration on TASIM

- A special Baku Declaration to create the Transnational Eurasian Information Super Highway was adopted on November 11, 2008 in Baku.
UNGA Resolution on TASIM

- On 21 December 2009, the 64th session of the UN General Assembly adopted Resolution on Transnational Eurasian Information Super Highway (A/res/64/186). The resolution acknowledges the role of the Republic of Azerbaijan in coordination of TASIM.
Co–Sponsors of UNGA Resolution

- Azerbaijan, United States, Germany, Australia, Belarus, Bulgaria, Afghanistan, China, India, Georgia, Switzerland, Israel, Iraq, Canada, Republic of Korea, Kuwait, Lithuania, Luxemburg, Kazakhstan, Qatar, Moldova, Pakistan, Portugal, Russian Federation, Slovenia, Syria, Tajikistan, Turkey, Ukraine, Japan
Establishment of Executive Group on TASIM

- In April 2010, the Ministry of Communications and Information Technologies of the Republic of Azerbaijan established and funded an Executive Group on TASIM as a vehicle for TASIM implementation. The Executive Group, in cooperation with a team of international consultants, created initial business concept for TASIM and negotiated establishment of TASIM consortium with the leading regional countries and operators.
First International Workshop on TASIM in Gabala, Azerbaijan

- In July 2011 in Gabala, as an outcome of this preparatory work, Azerbaijan hosted The First International Workshop on TASIM, with the participation of leading telecom operators from Azerbaijan, China, Kazakhstan, Russia, Turkey and European Union (Pantel).

- A Project Secretariat was established, and the operators agreed to work towards detailed MOU on establishment of TASIM Consortium.

- The last meeting of telecom operators on TASIM was held in November 2–3 in Istanbul, Turkey.
Commercial and technological proposals has been developed

In the past year, the project team has considered numerous technological, geographic, and commercial options for the project implementation. The project team, working together with business consultancy Booz & CO, as well as the international technology consultants, has developed advanced commercial and technological proposals for TASIM implementation.
The project team has been conducting extensive commercial negotiations with leading regional telecom operators, and these consultations do continue now. International IP transit is a highly competitive, attractive business, where all major players have their own commercial objectives, therefore moving forward an international cooperation project as TASIM requires careful balancing of commercial interests.
TASIM will be implemented in stages

- TASIM is a long-term initiative that will be implemented in stages. The countries of the region are very different in terms of their level of telecom sector development and market needs. In more advanced countries, issues such as low latency and advanced services in IP networks become important. In less developed countries, basic connectivity and the price of accessing the international internet backbone are more of a priority.
First stage of development

- Strategically, we see TASIM implemented in two big stages. In the first stage, key regional countries and operators will build major transit and transport infrastructure, connecting the east and the west. This transit infrastructure will allow TASIM to become commercially viable and address the rapidly growing market of international IP transit.
Nexus of regional telecom interconnectivity

- TASIM will build its own active, centrally managed IP/MPLS network on top of existing fiber-optic networks provided by participating operators. This will ensure end-to-end quality and reliability of the network. While initially most income will be generated by the transit business Europe–Asia, small but growing part of the income will come from advanced Service Exchange among operators. Therefore, TASIM will eventually become the nexus of regional telecom interconnectivity.
From Frankfurt to Hong Kong

The project is aimed at building a major new transit route Frankfurt–Hong Kong. This route will connect the biggest exchange point in Europe with the biggest exchange point in Asia. We plan that the transit route will pass China, Kazakhstan, Azerbaijan, Georgia, Turkey, and they countries of Eastern Europe on the way to Germany. A redundancy northern route passing Russia, Ukraine and Poland is also considered. All intermediary points on the routes (Points of Presents) can also be connected to each other, for example Baku to Almati, or Istanbul to Kiev.
Routes between EU and HK

- (DE – PL) – UA – RU – KZ – CN
- (DE – AT – HU – RS – BG)
- (TK – GE) – AZ – KZ – CN
Second stage of TASIM Development

- In the second stage, TASIM will leverage the transit infrastructure to provide affordable connectivity to land-locked countries of Eurasia, particularly in Central Asia. New fiber-optic routes can be developed in coordination with national telecom infrastructure development plans, and the old routes can be upgraded technologically to allow integration into the TASIM network. Importantly, a lot of fiber-optic infrastructure in the region is already in place. The second stage will help TASIM fully deliver on its UN mandate.
Closing digital gap
Thank you