

ENTERPRISE INFORMATION TECHNOLOGY STATUS

CHIEF INFORMATION OFFICER

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PURPOSE OF PRESENTATION

- Enterprise IT Infrastructure Maturity/Challenges
- Enterprise IT Process Maturity/Challenges
- Enterprise IT Skills Maturity/Challenges

INFRASTRUCTURE MATURITY/CHALLENGES

- ✓ Mobile Network coverage high in populated areas
- ✓ Megabit point-to-point connectivity with Ulaanbaatar as hub
- ✓ Public WiFi availability increasing in populated areas
- ✓ Internet Bandwidth very good in Ulaanbaatar
- ✓ A few Shared Service Data Center utilities available
- ✓ E-Government Services increasing - Kiosks available
- ✓ Large IT vendors (excluding IBM) represented through Partners or Direct
- No Public Cloud in-country infrastructure
- Digital Certification not widely distributed/embedded
- Legal Framework for Digital Transactions is new/emerging

INFRASTRUCTURE INFORMATION RESOURCES

[https://www.itu.int/en/ITU-D/Regional-Presence/AsiaPacific/Documents/Events/2017/Sep-SCEG2017/SESSION-1 Mongolia Dr Badamsuren Byambaakhuu.pdf](https://www.itu.int/en/ITU-D/Regional-Presence/AsiaPacific/Documents/Events/2017/Sep-SCEG2017/SESSION-1_Mongolia_Dr_Badamsuren_Byambaakhuu.pdf)

[http://cita.gov.mn/wp-content/uploads/2015/06/KHARILTSAA KHOLBOO TAILAN ENGLISH.pdf](http://cita.gov.mn/wp-content/uploads/2015/06/KHARILTSAA_KHOLBOO_TAILAN_ENGLISH.pdf)

<https://www.export.gov/article?id=Mongolia-Information-Technology>

<https://www.internetworldstats.com/asia.htm>

PROCESS MATURITY/CHALLENGES

- ✓ PMI (Project Management Institute) is represented
- ✓ ITIL Process Awareness is increasing
- COBIT Process Awareness is early stage
- ISO 27001 Certification is very limited

SKILL MATURITY/CHALLENGES

- ✓ Basic and mid-level Certification is feasible for Microsoft, Cisco, Oracle, VMWare
- ✓ Technology Startups are emerging
- ✓ University Education is reasonable and very prevalent
- ✓ Many technology resellers and technology services companies
- ✓ Emerging creation of proprietary outsourcing centers
- Advanced skills not rendered locally – CISCO, Microsoft, Oracle and VMWare – English and overseas travel are pre-requisites
- No CISA, no CISM and no CISSP training in Mongolian
- SME's constrained to embed expatriate talent – Labor law ratio

WRAP UP

- Being a LLDC does not seem to constrain IT in Mongolia
- Scale of Opportunity for Technology Vendors is a consideration – which can change quickly if mining starts picking up
- Talent pool is large, certified/skilled pool is limited: a function of collateral and training in local language

THANK YOU FOR YOUR ATTENTION