

emerontl 5

Technological Capabilities

I-eka I bNgénemeron

kgemerontl4eyg)anskSaGBsmaSFatmycnnrbsbeckvTüa kgemerontl5enHeygngelk
 yk Technological Capabilities mkBPakSa. edlm,Esy I GB Technological Capabilities eygng
 e IkykcncmycncdxagerkammkskSa³

-etkarkankabsmaSFatbeckvTüaEtÉgGaceFeGayRkmhnmankarQanmxEpkebeckvTüa
 Ed I beT?

-et technological capability mantnaTGxH?

-et technology components ng Technological Capabilities manTnakTngngKayagdcemc?

-etGgPaBKreFdcemcedlm,Ekr I GreTae I technological capabilities rbsxn?

II-esckepm

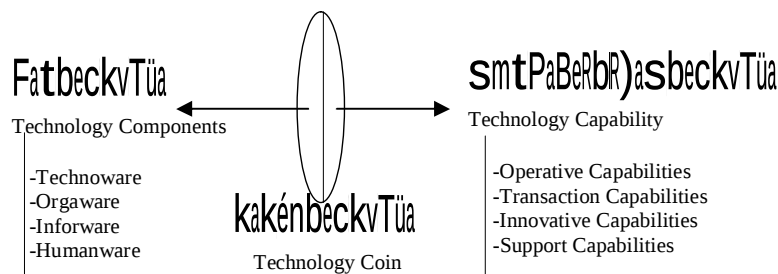
CakarBtenAtNakka I cabepmtbgrbsGgPaBmyeygRtvkarCaca)acnvFatTag4rbsbeck
 vTüa (technology components) bEnvamnRKbRkanenaHeTedlm,eGayGgPaBenaHykeTaeRbR)askg
 sanPaBRbktRbECg)an. RkmhnrTvmnFaTmyeTotCaca)acEdrK Technological capabilities.
 etGCa Technological capabilities? vaCasmtPaBrbsGgPaBnlmy²kgkareRbR)asFatTag4én
 beckvTüarbkbedayRbsTPaB ngsmRsbtamEpnkarngFnFan. mankarPanRcLCaeRch)anekt
 eLgfa Technological capabilities Ca ITPaBrbsGgPaBkgkarGnvtkarRsavRCavngGPvDf. tamBt
 Technological capabilities vaektec j BGE d I GgPaB)aneFl (Doing) ngskSa (Learning) Carbcaéf.

II-nymnyénBakü Technological capabilities

enAeB I Ed I GgPaBmyman Technology eKEtgEty I RcLfaman technological capabilities.
 CakarBtedlm,RbktRbECgGgPaBmyRtvEtmanstPaBdcxagerkam³
 -eRbR)asbeckvTüaEd I xnmaneGaymanRbsTPaB edlm,eFeGayR)akceN j ekneLgtam
 ry³karkaTbnyéfedmeGayTabbpt
 -I kngT j beckvTüaEd I manGtRbeyanCnkgtémmysmRsb

-sRmb ngEksRm lbeckvTüaEd leygmaneGaykanEtRbesrnrngRsbtamkarERbRb l rbs sklelak.

dcenHkarman technology component vaRKanEtCakarmanmyEpkén technological competency coin beNaH. karman smtPaBdc)anerobrabsxage l leTlbcattKfaman technological capabilities Ed l CaEpkm yeTotén technological competency coin dcrbxagerkam)anbga j . technological capabilities p l nv\TB l d l Rkmhn]TahrNRkmhn A l kbeckvTüaGayRkmhn B vang upgrade the technological capabilities eTARkmhn BenaHeT. eRBaH smtPaBCaFatGrbEd l mn EmnGacEckrE l keGayKaeTAv j eTAmk)aneda ygayRs l enaHeT vaTamTaeGayRkmhn B skSa ngGnv tCaRbcaeTlbbegtsmtPaBrbsxn)an.



III-bENgEck technological capabilities

dc)anerobrabsxage l technological capabilities Ca smtPaBrbsGgPaBEd l GaceRbR)asFat rbsbeckvTüaGaymanRbsTPaB. eKGacEbgEckBakü technological capabilities CabnF²K³

- o Operative Capabilities
- o Transaction Capabilities
- o Innovative Capabilities
- o Support Capabilities

a-Operative Capabilities sedAeTae l smtPaBrbsGgPaBkgkarbE l g inputs (resources) eTACa outputs (product and services) RbkbedayRbsTPaBngRsbtamyTsarS GaCvkmrbsGgPaB enaH. vaCa smtPaBrbsGgPaBkgkar³

-eRbR)assPar³ngeragcRkRbkbRbsTPaBxs

-GacvaytémBe l PaB Error Ed l GacektmanceBah Production naeB l GnaKt ngGacman

teNaHRsayceBahbBaaEd l Gacektman

- Gacpasbrm l dansPar³kg Production enAeB l mansPar³f²ekteLg
- eRbR)asRbBnBtmanvTüakgkarRKbRKgngKaRTd l Rbtbtkarpl t.

b-Transaction Capability sedAeTAe l smtPaBrbsGgPaBkgkareFEpnkar ngGnvtrbtbtkar
Tj l kbeckvTüaRbkbedayRbsTPaB. vaCasmtPaBrbsGgPaBkgkar³

- dgfae tenAeB l NaRtve)ahbgbeckvTüacas ngenAeB l NaGPvDfbnaykbeckvTüa f
- dgfaetKrnaykbeckvTüa fBRkmhnnNa
- dgfaetbeckvTüadcemcEd l mnbHBa l d l brsan
- dgfaetmanmeFüa)ay (Mechanism) NasmRsbsrabeFkarTj b l kbeckvTüa.

c-Innovative capability sedAeTAe l smtPaBrbsGgPaBkgécrRbDtbeckvTüa f²edlm,³

- BRggBaNCkmbcb,n (Improve Product life and quality)
- p l »kaskgkarcabykTpsarf (Develop new product line to current/new market)
- bnrkrkbeckvTüa f²EfmeTotedlm,lKaRTeTAd l BrcNcxage l (exploring new technology

bases)

vaCasmtPaBrbsGgPaBkgkar³

- eF reverse engineering edlm,lbegt)anbeckvTüa f
- begtngEkécp l tp l besvakmfitamry³ R&D
- begtngEkéc Process/System fitamry³ R&D

d-Supportive capability sedAeTAe l smtPaBrbsGgPaBkgkarKaRT GPvDfngEk l GrsmTPaB
Tagbxage l (operative, transaction, and innovative capability).

vaCasmtPaBrbsGgPaBkgkar³

- bE l gm l danénkarGPvDfbeckvTüa eTACayTsars
- kNtGBRbPBhrBavtsrabBRgkngKaRTd l karrikcerin
- eFeGayGgPaBmankarGPvDfRbkbedaycrPaB
- eFEpnkarvtFatedlm FnFanmnsssrabGnvtepnkarRbkbedayRbsTPaB.

IV-**TnakTngvag** Technology Components **ng** Technological Capability

enAtNakka ltbGgPaBmymnca)acman technological capabilities TagGsenaHeT.
vaGaRsyetAe l Tssnv sy ngbryakaSRbktRbECgGgPaBGacbegtsmtPaBkgkareRbR)asbeck
vTüaenaHbncmg²BmyéfeTamyéf. EteTaHbCaYagNaGgPaBmyRtvmanFatbeckvTüaTag4Ca
ca)acedlm,leFeGaYRbtbtkarGaCvkmGacmanteNrkar (to transform resources to products and
services). tamry³karGnvt ngCbRbTHCaerogra léfrbsGgPaB Technology Components ng
Technological Capability ngRtv)anEk l Gr. GgPaBmyGacbegtRbePTNamyén Technological
Capabilities Ed l xncg)antamry³karGPvDēneTae l IfatTagbnrbsbeckvTüaxage l l.

]TahrN: edm,lbeginsmtPaBécRbDt (innovative capabilities) CaTeTaeKRtvykctTkdaKeTae l l
Humanware and Inforware CaSxanCag Technoware and Orgaware. EtpyeTAv jRbsnebeyg
manbNgbeginsmtPaBp l t (Operative capabilities) Technoware Cag Humanware and
Inforware.

V-**kareGayRbesrceBah** Technological Capabilities

dc)anerobrabsxage l kareFeGayRbesrceBah technological capabilities ektec j BkarGnvt
(doing) ngteNirkarénkarSkSa (learning) rbsGgPaBnmy²CaRbca. vaRtvEtstenAkgGgPaB
ehyvangmn)atbgeTAenAeB l bK l NamakrbsGgPaBcakec j BGgPaB. dcentHeygRtvmanynkar
ca)acedlm,CRm j eGaymankarSkSa ngkarcgRkgBkarGnvtngbTBesaFnnanaEd l bK l kRKbrbrbs
GgPaB)anCbRbTHedlm,ERbkaYvaeTACakarGPvDēn technological capabilities. karGPvDēnenH Ca
dynamic process mannyfaGPvDēngEk l Gr\ tQb. kgmCādanRbktRbECgbc, nedlm, eGay
GgPaBmyenArsranyrGeggTamTaeGaymankarEk l Gr\ tQbceBah “component enhancement
process” and “capability development process”.

(SmGanbEnmenAcnc Self_Reading Rtg MOT indicators for Developing Country).