ASSESSMENT REPORT

BOOSTING THAILAND'S E-PERFORMANCE --ASSESSMENT OF CURRENT POSITION AND PRIORITY AREAS

Bangkok 29 April 2002

This document is confidential and is intended solely for the use and information of the client to whom it is addressed.





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Project and Report Context





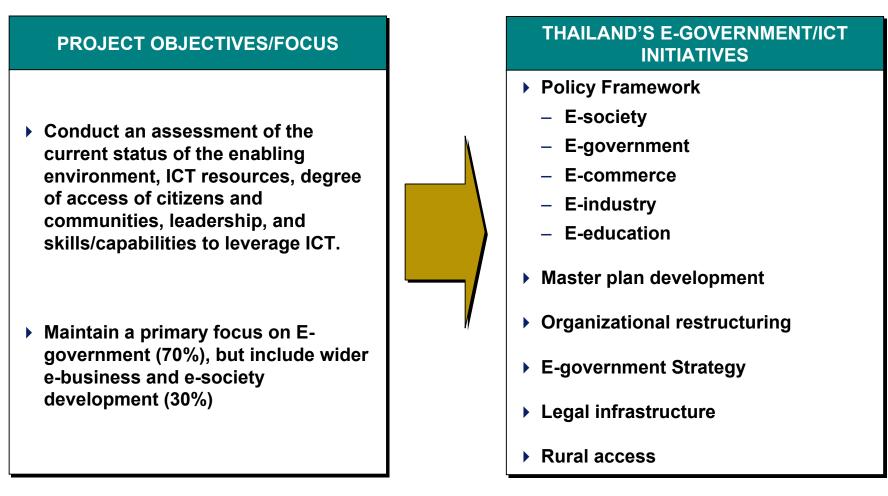
Numerous initiatives point to Thailand's desire to greatly accelerate E-government and ICT development

- A Strategic 5-year ICT Master Plan is being developed based on the recently-completed IT 2010 policy framework
- As part of the broader government restructuring program, a Ministry of ICT is planned. Organizational and functional design efforts are on-going.
- Multiple agencies and committees are working on a broad E-government strategy to guide the development of ICT in the public sector
- The legal infrastructure required to support the national development of ICT is being established
- A variety of more sector- and function-specific activities are being undertaken including efforts to increase rural access and narrow the digital divide





This Booz Allen project is intended to support the e-government and ICT development initiative







The project team is comprised of Booz Allen/Sasin Institute, the Thai E-government committee and the World Bank

	ROLES & RESPONSIBILITIES	TEAM MEMBERS
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This report concludes the data collection/diagnostic/ assessment phase and serves as the basis for strategy development

						MON	ΝТΗ								
	JAN		FEB		FEB		FEB		MAR		MAR		APR		STATUS
1.0 Project Launch1.1 Mobilize Project Team1.2 Prepare and conduct Launch Workshop												1			
 2.0 ICT Assessment 2.1 Develop data collection plan 2.2 Conduct document and on line research 2.3 Conduct interviews and surveys 2.4 Prepare assessment findings 2.5 Prepare and conduct Assessment Workshop 												11111			
 3.0 Diagnostic 3.1 Identify and compile relevant international best practices 3.2 Identify gaps between Thailand and international best practice 3.3 Determine capacity building requirements 												4			
4.0 Strategic Planning 4.1 Develop strategy components and action plans 4.2 Prepare and conduct Strategic Action Planning Workshop															
 5.0 Project Reporting and Information Dissemination 5.1 Prepare and Submit Inception Report 5.2 Prepare and Submit Assessment (Draft) Report 5.3 Prepare and Submit Final Report and presentation materials 												1			

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This document presents the assessment findings and is focused on clarifying priorities

- This document was presented to a key group of clients and stakeholders during the Assessment Workshop
- The body of the document provides the salient findings and results of the assessment in an analytical framework along with key comparisons to international experience.
- The appendices provide supporting information and more detailed descriptions of the assessment activities and findings.
- The ultimate purpose of this report is to help identify priority ICT activity areas for the Thai government



II. Strategic Priorities for E-Government --Lessons Learned from Leading Adopters



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Countries worldwide have embraced e-government to achieve three types of objectives

E-GOVERNMENT BENEFITS

Convenience: improved access; less time-consuming interaction

- Customization: service offerings tailored to citizens' specific needs
- Improvement of transparency and building trust
- More active citizen interaction and democratic participation in decision-making

GOVERNMENT EFFICIENCY

IMPROVED

CITIZEN

SERVICE

- Improved productivity & skills for government employees
- Improved collaboration and knowledge sharing within government at all levels
- Redefinition of operating model and process improvements

ECONOMIC GROWTH

- Stimulation of e-commerce adoption
- Building of societal IT skills and capabilities
- Creation of attractive environment for investment in IT and other industries





Successful e-government adopters have typically focused on one or two of these objectives

	PRIORITIES OF LEADING E-GOVERNMENT ADOPTERS							
	OVERALI	OVERALL OBJECTIVES		'ES				
	VISION/GOAL	CITIZEN SERVICE	GOVERNM. EFFICIENCY	ECONOMIC GROWTH	KEY PRIORITIES			
CANADA	 "Citizen-centered government" 	▶ #1			 "By 2004, we will be the government most connected to its citizens" "All key citizen services will be on-line by 2004" 			
UK	 "The UK will be the best place in the world for e-commerce by 2001" 		▶ #2	▶ #1	 Government will be "alive to the latest developments in e-business" "100% of government services will carried out electronically by 2005" 			
SINGAPORE	 "Transform into a vibrant & dynamic global ICT capital with a thriving & prosperous Net economy by 2010" 		▶ #2	▶ #1	 Position nation for future "Radically re-engineer and transform the way we do things in government" 			
AUSTRALIA	 "Deliver all appropriate citizen services on-line by 2001" 	▶ #1		▶ #2	 "Have virtually all government services available around the clock to everybody" Government use of on-line services will be a key driver for the rest of the economy 			

PRIORITIES OF LEADING E-GOVERNMENT ADOPTERS



For example, some countries have focused on G2C as a means to bring government closer to the people (e.g. Australia) . . .

AUSTRALIA: RATIONALE AND ACHIEVEMENTS TO DATE

RATIONALE FOR FOCUS KEY ACHIEVEMENTS TO DATE Taxpayers expect value and results Launched integrated portal; a number of services are now routinely conducted through the internet by large part of Citizen clients expect the same or better quality and access to services from population (e.g. tax filing, business government as they are getting from registration) business Fulfilled commitment to move all relevant services online by end 2001 Citizens want to participate more in the democratic process Integrated backoffice across federal agencies, as well as regional/local Government acknowledges the role it has to play in driving ICT development through edepartments government Made some organizational changes within the government to ensure successful

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implementation/follow-thru



...while some countries have used e-government as a key driver for economic growth (e.g. Singapore)

SINGAPORE: RATIONALE AND ACHIEVEMENTS TO DATE

RATIONALE FOR FOCUS

 To stay competitive in the region and world, Singapore feels it must transform itself into a knowledge-based economy

KEY ACHIEVEMENTS TO DATE

- Allocated massive funds -- \$800M over 3 years to egovernment transformation to gain efficiency and reduce govt burden on business
- Established POWER ("public officials working on eliminating red tape")
- Established distinct portals
 - One stop portal for G2B
 - One stop portal for business to bid on government procurements
 - E-citizen central portal logically based on life events, with clear ministerial responsibility for each portion of the portal content
- Implemented program to upgrade all government employees IT skills, to catch up with private sector





Our experience suggests that strategic priorities should be agreed early and be in line with a country's specific circumstances

LIKELY PITFALLS

- "Everyone else is doing egovernment/ICT – we've got to do <u>something</u>!"
- "Build a fancy system and people will come ..."
- "Let's build a govt-wide system—getting agreement won't be that hard"
- "The private sector should take a stronger role in promoting e-government ... we don't have the money"
- "Let's decentralize govt quickly..."

RESULTING LESSONS LEARNED

- To avoid wasting scarce resources and time, govts must agree on clear priorities for their programs
- Both government and the people have to be ready to ensure meaningful e-govt
- The politics of buy-in is very tough in most countries
- E-government efforts have to be aligned with a country's specific economic model and political context
- ICT can empower local govt and forge central-local links, but it takes time and appropriate coordination





Assessment Workshop discussions showed diverging views among stakeholders regarding Thailand's e-government priorities

THAILAND'S PRIORITIES IN E-GOVERNMENT

- The participants were asked to discuss and determine, and describe the rationale for, Thailand's relative priority among the three types of objectives for e-government
- No clear priority emerged from the discussion
 - A few of the participants felt that government efficiency should be the primary objective; others indicated that the government appears to be focusing on citizen service; some stated that economic development was the key to moving Thailand forward and would have greater spillover effects in the other two areas
 - Still others suggested that the government should focus on all three objectives
- Some participants felt strongly that the government must decide which objectives are the highest priority and act accordingly -- The Booz Allen team supports this view and continues to work with the Thai government to ensure alignment of the e-government program with other ICT initiatives.





III. Assessing Thailand's Comparative E-Performance

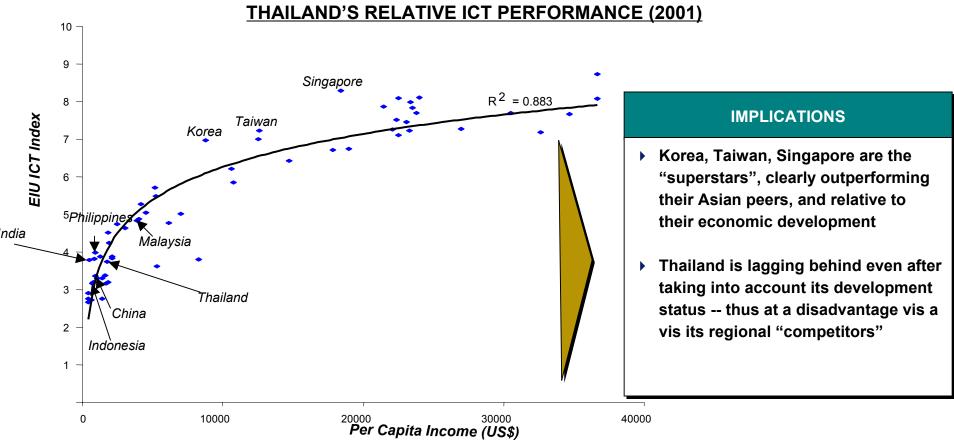
Overview

- Leadership
- Country readiness
- Government readiness





Thailand is lagging behind other countries in the region in terms of ICT development



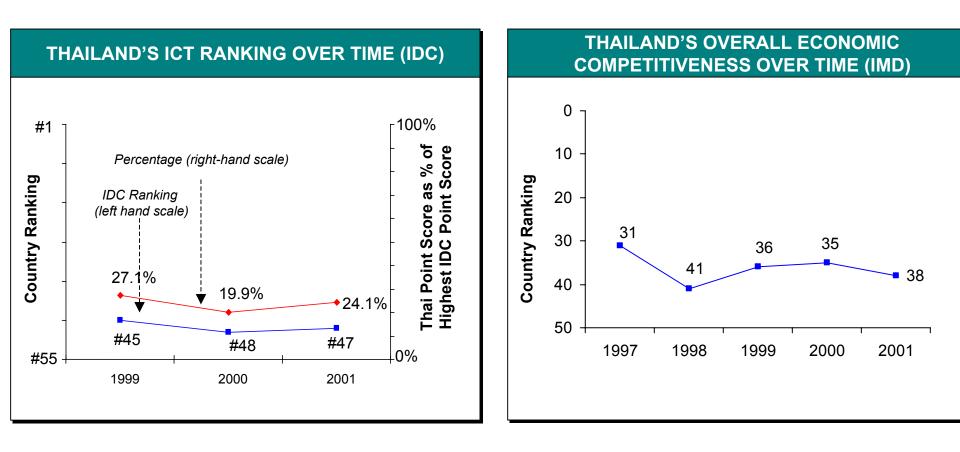
Note: numerous ratings on Thailand's ICT development have been conducted; we chose EIU's because it appeared comprehensive, thorough and covered a large number of countries; Thailand's relative positioning on it is comparable to other studies Source: EIU, DRI, BAH analysis

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In addition, Thailand's ICT and overall competitiveness have stagnated/deteriorated relative to other countries



Source: IDC/World Times Information Society Index

Source: IMD/WT, 2002

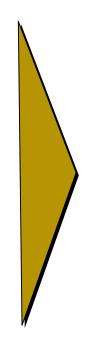




The government has recognized this issue, but has yet to deliver against its promises

AMBITIOUS PLANS AND BOLD STATEMENTS...

- "Not only will IT be instrumental in enhancing our competitiveness in business, industry, and international trades, but also in the hitherto much overlooked role as a cost-effective means for social development" IT2000 - 1995
- "... greater value added in the value chain will be based on...unique local strength and know-how combined with cutting edge capital IT... This new development paradigm requires a change in the mindset of Thai people, Thai businessmen and Thai officials." Prime Minister - 5/2001



... BUT LITTLE DELIVERY TO DATE

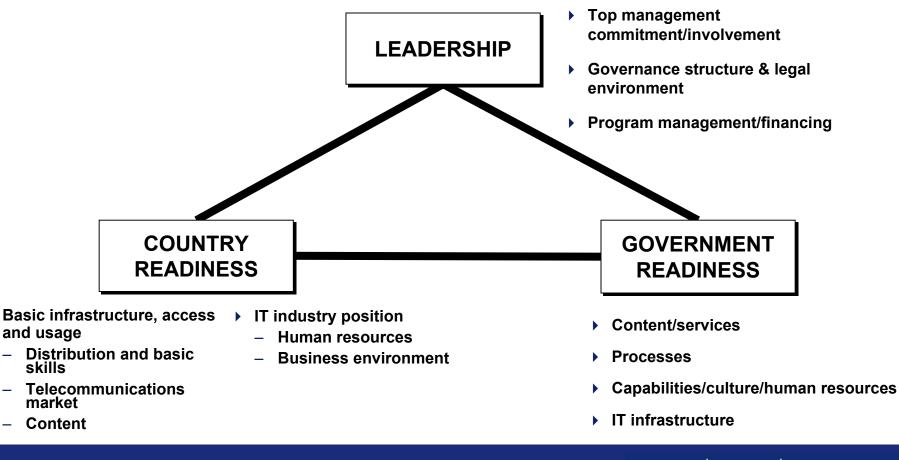
- "Things are definitely better in ICT than they were four years ago, largely due to the IT focus of the current government. But we still have a long way to go..." Senior NECTEC official - 3/2002
- "A strong program on information technology is overdue in the face of a growing national gap." Bangkok Post - 2/2002
- "The Prime Minister noted that ICT administration in Thailand is dispersed…" Bangkok Post - 2/2002
- "There's been a lot of talk [about IT] but not much action..." Member of the Senate - 3/2002





Booz Allen international experience suggests three building blocks of successful e-government implementation

BUILDING BLOCKS OF SUCCESSFUL E-GOVERNMENT

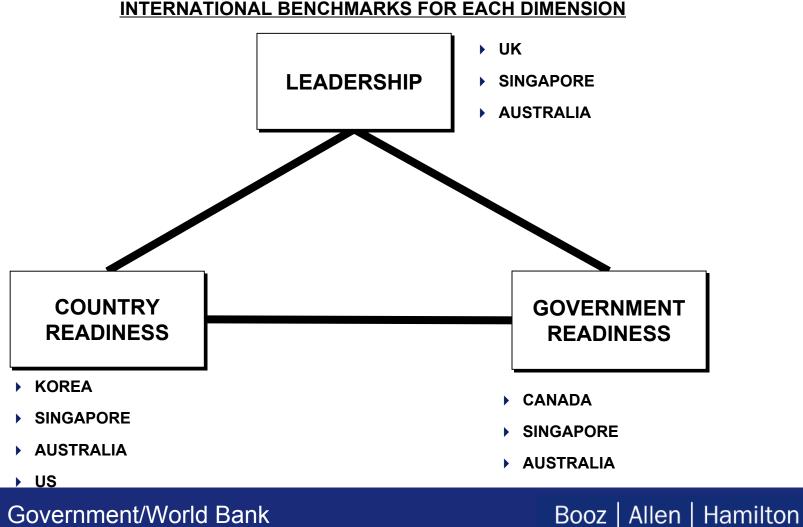


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We have assessed Thailand's positioning in these dimensions against leading/relevant international benchmarks





Assessing Thailand's Comparative E-Performance

- Overview
- Leadership
- Country readiness
- Government readiness







We have assessed Thailand's positioning in terms of leadership in three components

LEADERSHIP: RATIONALE AND DESCRIPTION

	RATIONALE	DESCRIPTION
TOP MANAGEMENT COMMITMENT/ INVOLVEMENT	 Major initiatives and change always have to be driven from the top esp. in governments 	 Public commitment by Prime Minister and government Ongoing PM involvement to monitor progress and remove obstacles
GOVERNANCE STRUCTURE	Initiatives have to be supported by a clearly defined organization structure, roles and responsibilities and underlying laws	 High-level organization dedicated to ICT/e- government Clear reporting relationships, accountabilities and responsibilities, including all levels of government (local administration, other agencies) Clear and comprehensive legal framework
PROGRAM STRUCTURE	 Organization structure needs to be supported by appropriate processes and mechanisms to support effective decision making 	 Priority/target setting to focus on high impact areas Finance/budgeting Progress monitoring/tracking Ongoing improvement





Thailand's Prime Minister has demonstrated interest in ICT, but forceful leadership has been lacking

TOP MANAGEMENT COMMITMENT/INVOLVEMENT: THAILAND VS. OTHER COUNTRIES

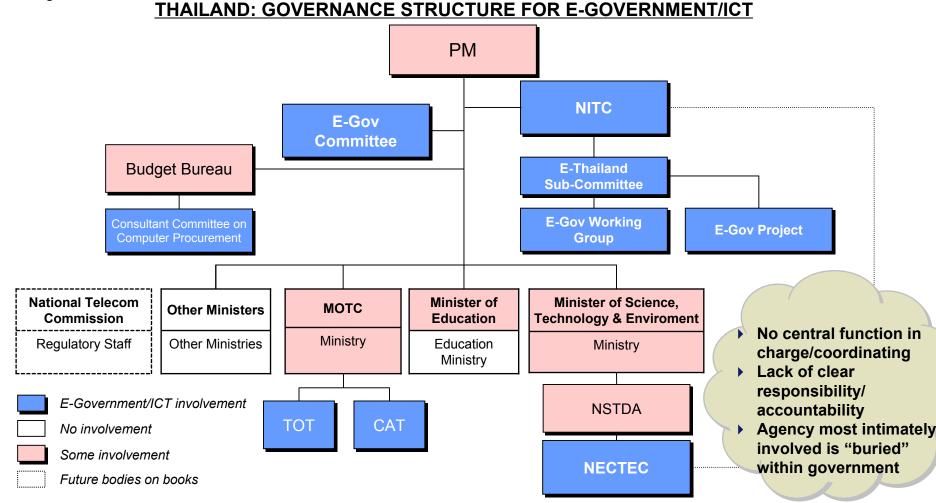
	THAILAND	AUSTRALIA	SINGAPORE
PM/GOVERNMENT COMMITMENT	 To date, a number of statements of intent, setting high level policy direction 	 April 2000: public commitment by Prime Minister to specific targets as part of "Government Online Strategy" Ministries and agencies also took responsibility to deliver against targets 	 E-government/ICT is a clear PM item since it is regarded as an integral part of the country's overall vision Ministries/agencies fully understand their respective roles and are committing to achieving targets
ONGOING INVOLVEMENT TO DELIVER AGAINST COMMITMENT	 Involved in approving appropriate plans and programs Chairing relevant National Information Technology Committee meetings 	 Since then Prime Minister's involvement has largely focused on resolving cross- government issues and ensuring delivery of overall commitment 	 Prime Minister takes active interest in promoting ICT agenda In addition, powerful agencies (Ministry of Finance, IDA) drive implementation







The Thai E-Government/ICT Organization is fragmented and complex



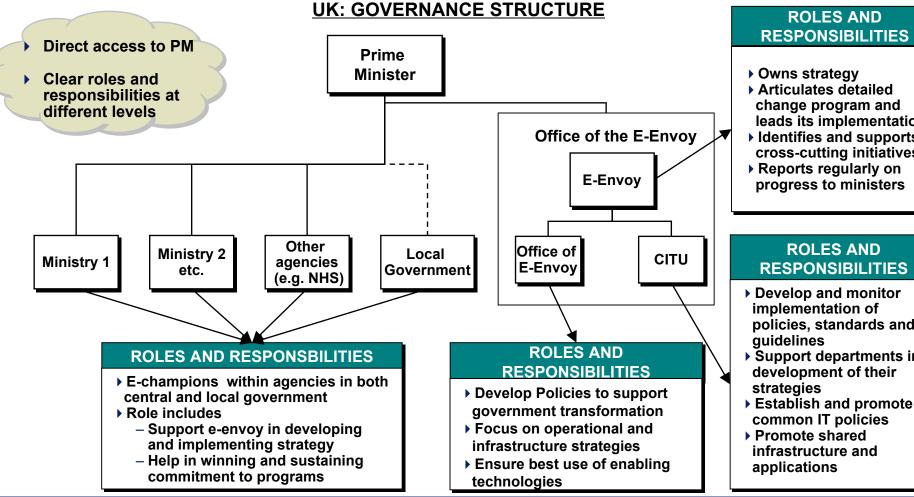
Source: BAH Research, 20002

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By contrast, the UK has established a dedicated, powerful function focusing on e-government and related IT issues

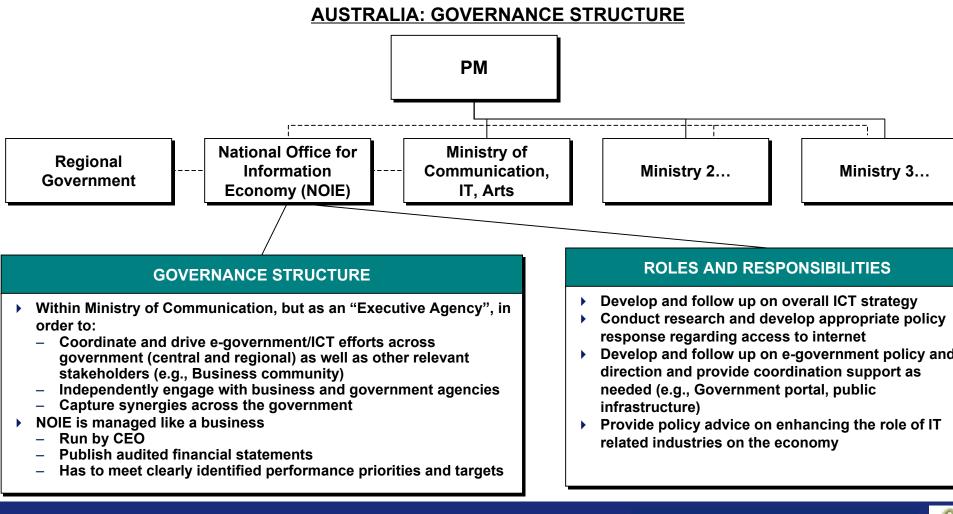


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The Australian government has created the National Office for Information Economy (NOIE) as an 'Executive Agency"







Fhailand has made a good start on establishing an e-commerce/ e-society framework -- however, telecom liberalization and — e-government legislation are lagging

FRAMEWORK COMPONENT	ELEMENTS	THAILAND'S PROGRESS
E-Commerce	 Electronic commercial transactions (payments, currency) Telecom Regulation Digital signature Contract law Intellectual Property Rights MAJOR ISSUE - Telecom Legal framework is established, but 	2
E-Society	 Data privacy Computer crimes Consumer rights Equity and access 	or not or not 2
E-Government	 Electronic government transactions Legislation/executive orders requiring government to achieve explicit goals Regulations on data sharing Regulations on modifications to government administrative and operational procedures 	1

THAILAND: LEGAL ENVIRONMENT/FRAMEWORK

0	1	2	3	4
	Plans for legislation, some drafted	Substantial legislation drafted, some passed	Legislation passed in many areas	 Comprehensive legal framework in place Legal/regulatory constraints do not limit and do encourage e-society Enforcement/ implementation in place

Source: BAH







Compared to global best practice, Thailand is significantly lagging in terms of program management

PROGRAM MANAGEMENT: THAILAND VS. SINGAPORE

	THAILAND	SINGAPORE
PRIORITY/TARGET	 Broad policy and strategy statements covering all aspects without realistic, feasible or practical action plans 	 Overall, clear priorities and targets are identified, both for e-government and ICT development
SETTING	 Some general goals defined for connectivity and access (e.g. villages, schools), but no realistic or measurable goals for e-government 	 These are then broken down into specific goals and objectives for the relevant ministries and agencies involved
	 No global analysis or planning for ICT investments 	 Similar to private sector, finance and budgeting process ensures that:
	 No formal guidance to agencies on levels of ICT spending 	 Capital allocation decisions are based on reasonable analysis and assumptions
FINANCE/BUDGETING PROCESS	 Agency investment plans and budgets developed independently 	 Cross-government initiatives are evaluated from an overall viewpoint (e.g. IT plans)
	 Ineffective review and allocation process driven by short-term outlook and applied influence 	 Money available for initiatives that promise positive return







Compared to global best practice, Thailand is significantly lagging in terms of program management (cont'd)

PROGRAM MANAGEMENT: THAILAND VS. SINGAPORE

	THAILAND	SINGAPORE
PROGRESS MONITORING/ TRACKING	 Some strategic review of multi- year progress No performance or results based evaluation of ICT initiatives Few incentives to perform well & ensure implementation No sanction for failed efforts or missed targets 	 Small taskforce consisting of ministers and senior officials regularly meets to review performance against targets Officials at all levels have specific, quantifiable targets aligned with overall strategy and are evaluated and remunerated based on their achievement (bonus up to 70% of salary)
ONGOING IMPROVEMENT	 Only few initiatives in place, e.g. "performance budgeting process" 	 Government constantly looking for improvement opportunities Not shying away from making fundamental changes to key agencies







In summary, Thailand's ICT leadership is significantly impaired under the current setup -- with potentially serious consequences

SUMMARY RATING: THAILAND'S ICT LEADERSHIP

	RATING	RATIONALE	
TOP MANAGEMENT COMMITMENT/ INVOLVEMENT	2	 Top management says all or most of the right things yet clear focus and commitment have been lacking to date 	POTENTIAL IMPLICATIONSWaste of time, money,
GOVERNANCE STRUCTURE	1	 Some relevant organizations/units have been set up yet clear lack of clear responsibility to drive initiatives across all levels of government 	 resources Infighting & loss of focus on goals Loss of government
PROGRAM STRUCTURE	0	 Absence of follow through Planning Funding Implementation Performance evaluation 	credibility

Note: Full Harvey ball represents global best practice as benchmark; there is no a priori reason why Thailand should be lagging





Assessing Thailand's Comparative E-Performance

- Overview
- Leadership

Country readiness

Government readiness







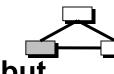
Our assessment of country readiness is based on two components

COUNTRY READINESS: RATIONALE AND DESCRIPTION

	RATIONALE	DESCRIPTION
INFRASTRUCTURE, ACCESS AND USAGE	 Access and basic IT skills are the basic prerequisite for using the internet 	 Clear analysis of status of "digital divide" Internet access/usage driven by three main factors Programs for different levels (education, disadvantaged segments of population) Competitive telecom market Local content
IT INDUSTRY POSITION	 A vibrant IT industry is a key driver for overall ICT development ICT is a major driver of economic growth 	 Large pool of trained IT professionals High-value added IT manufacturing/service industry Favorable business environment for start-ups and FDI

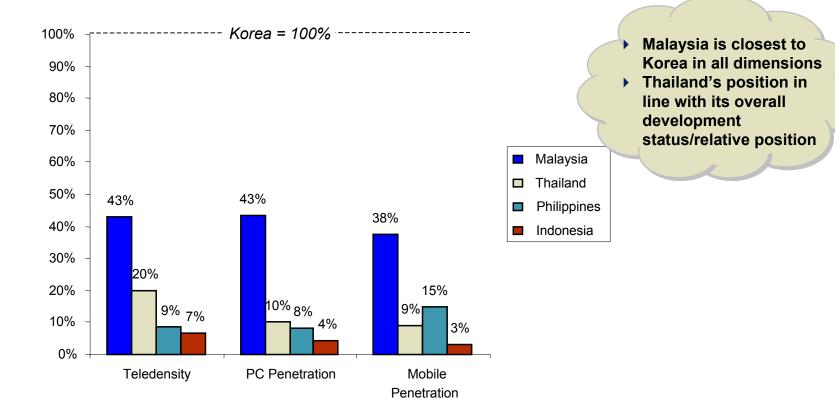






Thailand's basic infrastructure is lagging behind advanced, but largely in line with comparable countries in the region

INFRASTRUCTURE INDICATORS: BENCHMARKING AGAINST KOREA (2000)



Note: Korea is generally perceived as "best practice" among Asia's emerging economies Source: ITU, BAH analysis

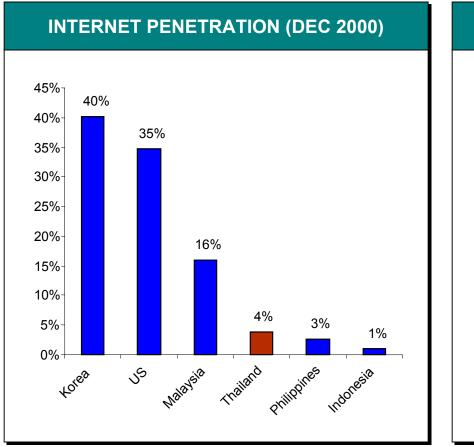
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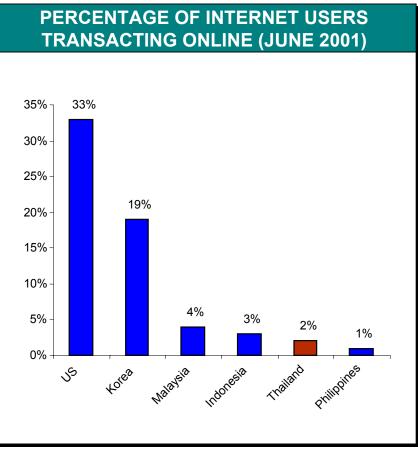
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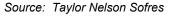


Similarly, internet usage and transactions are low by global standards, but in line with regional peers





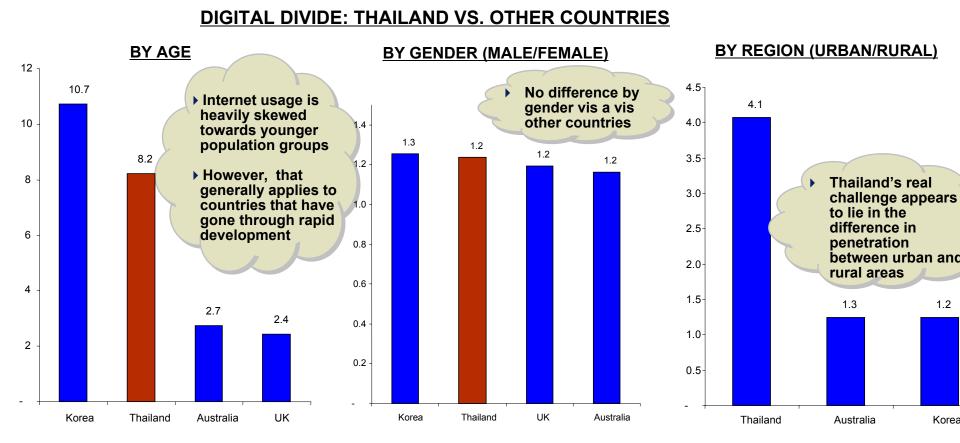
Source: ITU







A closer, cross-country analysis of the digital divide indicates that Thailand's main challenge lies in ensuring access to rural areas



Note: Digital divide is defined by the penetration of the highest user group over the lowest user group; quality of data on internet usage in Thailand is poor and makes meaningful comparisons difficult

Source: NCA, Australian Statistics Bureau, NECTEC, TNS, UK National Statistics, BAH analysis

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Addressing the digital divide requires a targeted program on two different levels

LEVEL 1: PROVIDING ACCESS/TRAINING TO PRIMARY/SECONDARY SCHOOLS

	THAILAND	SINGAPORE	AUSTRALIA	US
ACCESS AND USAGE IN SCHOOLS	 Basic access delivered to most schools under "Schoolnet" program however, usage is limited due to restricted access within the schools and absence of relevant content Digital Library - Impact limited by student access EdNet - Integration of education networks in the planning stage 	 Masterplan for "IT in Education" Established FastTrack@School, an industry/ government effort to provide access to 40 pilot schools Established 3- phase program to achieve broadband LAN or laboratories at all schools 	 Education network Australia - EdNA Central role-based education portal Complete support for ICT in the curriculum Online thematic pages for schools Strategic plan for ICT education with primary focus on online content, professional development, and increased bandwidth 	 Office of Educational Technology has launched plan covering Access to internet Use of ICT in education Digital content and applications Federal funding to encourage state, local, and private sector investment in ICT in education (\$2bn over 5 years)

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Addressing the digital divide requires a targeted program on two different levels (cont'd)

LEVEL 2: PROVIDING ACCESS/TRAINING TO "DISADVANTAGED" POPULATION SEGMENTS

	THAILAND	SINGAPORE	AUSTRALIA	US
OTHER RELEVANT POPULATION SEGMENTS	 One Product, One Tambon - E- marketplace application for village-based micro-enterprise - Includes Tambon Internet Project - providing access to villages Programs of HRH Princess Maha Chakri Sirindhorn aimed at rural youth, underpriveleged, and disabled 	 Government systematically assesses IT skills of population based on 5 level rating goal is to get everyone to level 5 Specific initatives include: Free internet lessons for disabled, old, unemployed Free broadband access through internet kiosks Used computers/free internet access to targeted households 	 Systematic assessment of internet access/IT skills of different population segments Focus on two groups: Remote communities (through "Networking the Nation") Unemployed IT Skills Hub - Education and training E- marketplace 	 Regular comprehensive assessments of digital divide driving policy and programs Community Technology Centers - Established to provide access to economically distressed communities Focus on two population groups Disabled Minorities







In addition, the Thai government urgently needs to address telecom deregulation in order to drive usage

TELECOM DEREGULATION: THAILAND VS. SELECT OTHER COUNTRIES

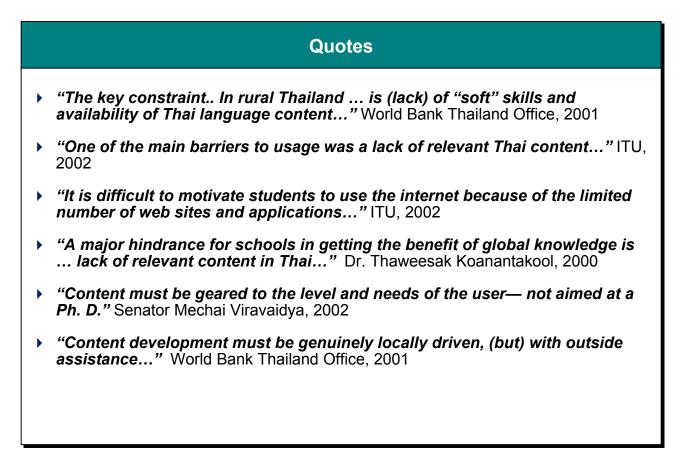
Key Levers	Stage I "Monopoly"	Stage II "Early Competition"	Stage III "Managed Competition"	Stage IV "Full Liberalization"
Market Openness		Thailand	UK US ───►EU ─	S.Korea Estonia
Pricing Privatization, Commercialization	Thailand Lack of competition is keeping prices artifically high and service levels and reliability low a	Estonia Thailand	UK US S.Korea → EU Estonia S.Korea → EU	UK US
Independent Regulator	key inhibitor of internet usage Thailand			UK USA EU S.Korea Estonia

Source: BAH Research, 2002





Finally, local content is not sufficient in Thailand...

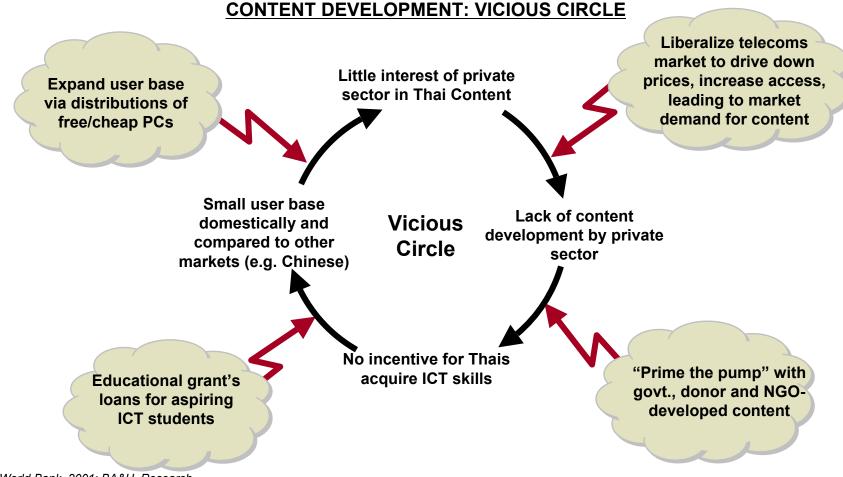








... requiring the government and private sector to break the "vicious circle" in local content development



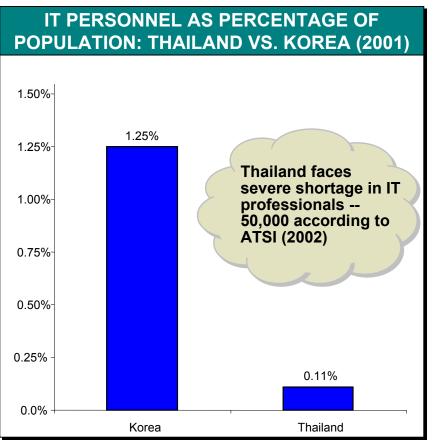
Source, World Bank, 2001; BA&H Research







Thailand's IT industry is significantly underdeveloped in key indicators



Source: KISDI, NECTEC, BAH analysis

IT personnel defined as management, technical, and administrative staff in the IT sector - exlcuding telecoms and manufacturing

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LEVEL OF SOFTWARE INDUSTRY: THAILAND VS. WORLDWIDE

Worldw Assessm			Thailand
CMM Level	5	53	0
	4	63	0
	3	290	0
	2	488	2

Source: SEI, 2002

LEVEL OF SOFTWARE INDUSTRY: THAILAND VS. ASIAN COUNTRIES

	<u>India</u>	<u>China</u>	<u>Australia</u>	<u>Singapore</u>	<u>Thailand</u>
CMM 5 CMM 4	43 28	2	0	0	0
	20	U	2	2	U

Note: CMM refers to Capability Maturity Model; tables indicates the number of institutions that have achieved a certain level of software development Source: K. Manzoor, "CMM in Pakistan", 2002





Challenges remain in driving forward the IT industry in Thailand

INITIATIVES TO DATE

- Thailand Microelectronic Center (TMEC) -Foreign loans and local funding amounting to US\$36.7 million initial investment and US\$ 3.9/year operation for a wafer processing and R&D facility
- Software Park Thailand established: facilities and technology infrastructure business development, professional training, technology transfer-- 48 companies to date-- Providing CMM training



- Phuket Digital Paradise Project (PhD) NECTEC
 Plans for a regional technology hub
- Software Industry development is a major component of the IT 2010 policy framework

Source, BA&H interviews, 2002 ITU, 2002

CHALLENGES GOING FORWARD

- Telecom costs handicapping competition with regional neighbors for IT industry DFI
- Government immigration and taxation regulations are a constraint to acquiring necessary foreign IT knowledge workers
- Limited IT literacy among the population and lack of awareness within the business community result in a limited market for IT products and services
- Certification authorities and processes not yet fully established
- Lack of incubators and underdeveloped business skills among technical IT personnel for developing business plans and accessing venture capital

Source, BA&H interviews, 2002

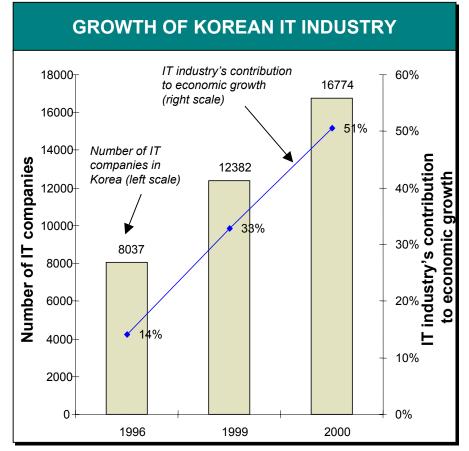




The Korean example underlines the potential of the IT industry in driving overall economic growth

KEY SUPPORT MEASURE FOR KOREAN IT INDUSTRY

- Direct support measures by government
 - Ministry of Information/Communication currently implementing 5 year plan to support local IT industry (~\$1bn until 2004)
 - Additional programs to build IT skills, targeting both universities and businesses
- Various additional measures in place to build favorable environment, including
 - Special tax breaks
 - Venture funds
 - Numerous incentives to attract foreign investment
 - Establishment of advanced fiber optic network
 - Rapid telecom liberalization



Note: IT industry includes IT services, manufacturing and software/computer related services

Source: Bank of Korea, Ministry of Industry and Trade







In summary, Thailand can only unlock the power of ICT if it ensures broadbased infrastructure and internet usage

SUMMARY RATING: THAILAND'S COUNTRY READINESS

	RATING	RATIONALE	
INFRASTRUCTURE, ACCESS AND USAGE	1	 Only initial efforts have been made with some select programs Lack of systematic research and analysis to assess "digital divide" and implications effect of any initiative diminished No true competition in telecoms sector Local content remains significantly underdeveloped 	 POTEN Was initia targe Ultin ecor pers and indu
IT INDUSTRY POSITION	1	 IT skills and industry in its infancy Programs to date have had virtually no impact 	

POTENTIAL IMPLICATIONS

- Waste of money since initiatives cannot be targeted properly
- Ultimately, lower economic growth due to persistent digital divide and significant IT industry shortfall

Note: Ratings incorporate Thailand's relative income/development status



Assessing Thailand's Comparative E-Performance

- Overview
- Leadership
- Country readiness

Government readiness







Government readiness consists of four components

GOVERNMENT READINESS: RATIONALE AND DESCRIPTION

		RATIONALE	DESCRIPTION
	CONTENT/SERVICE DELIVERY	 Services need to be moved to the internet based on citizen needs, ultimately leading to the establishment of one-stop portal(s) 	 Full range of services offered seamlessly through branded one-stop portal(s); site(s) customized to user needs and interests from diverse areas Multichannel citizen feedback used to drive priorities and monitor performance
	PROCESSES	 In order to fully realize benefits from transformation of service delivery, underlying processes need to be fundamentally redesigned 	 Process redesign has led to the transformation of the basic operating model of ministries Comprehensive change program integrated with BPR to ensure success
	CAPABILITIES/ CULTURE	 Implementing e-government requires fundamental renewal of capabilities and culture 	 Government employees are "fully wired" in terms of both skills and mindset Innovation is considered essential quality in employees and rewarded
	IT SYSTEM	 E-government requires entirely new level of interoperability, safety/security and capacity across government agencies 	 Seamless back-office integration across all government levels and agencies (I.e. consistent standard architecture, full data sharing and access while maintaining high security standards, full scalability)







After initial progress in offering content online, the Thai government's enthusiasm appears to have tapered off

THAILAND: GOVERNMENT ON-LINE SERVICES/CONTENT

	All ministries and major departments have websites with content					
	Total pages of content per site ranged from 100 to 4,400					
The Good News…	Total of 14,500 pages of content in 29 major sites					
	48% of sites have "extensive" laws and regulations on the web					
	50% of sites have procurement notices posted					
	Visitors/month ranged from 6,000-44,000					
	Two (or three?) "competing" portals, no central branding					
	Only 2 sites offer "role-based" content					
and the Bad News	 Only 1-2 agencies seem to have a goal of publishing all agency content on the web; no government-wide policy on this 					
	2/3 of sites are adding only 1-20 pages of content per month					
	▶ No government sites allow purchase or payment, ¼ allow downloading forms or filling e-forms					
	No systematic user evaluation/feedback mechanisms					

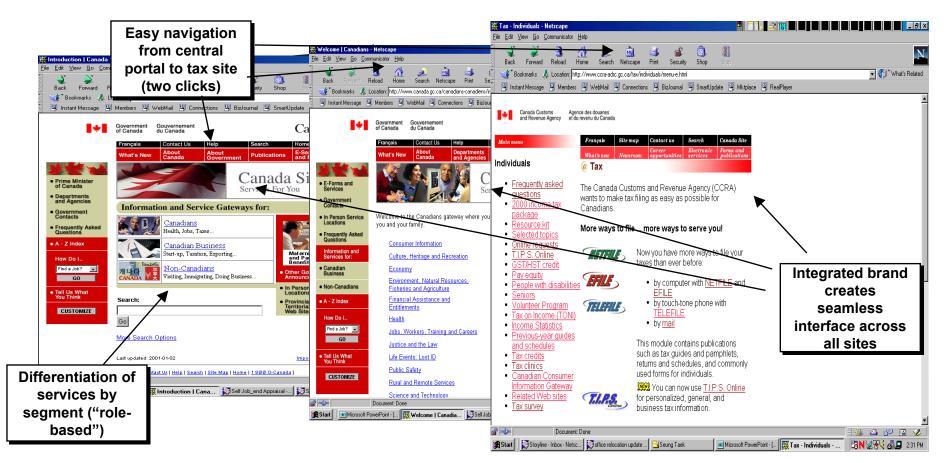
Source: BAH website review, 2002





Most advanced countries such as Canada have created an integrated, customer friendly central portal

CANADA: INTEGRATED, CUSTOMER FOCUSED SERVICE DELIVERY

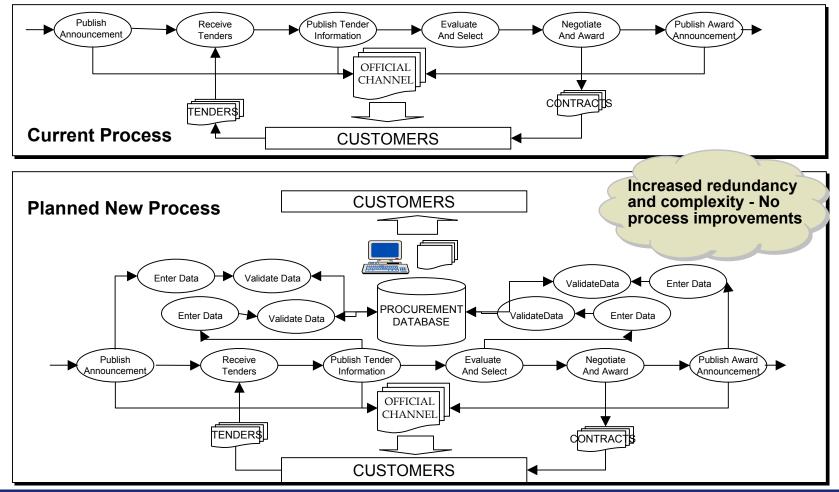


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The Thai government's initial efforts and plans have not yet leveraged e-government to transform its internal organization

THAILAND: IMPACT OF INTERNET ON INTERNAL PROCESSES



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Despite some recent programs, the Thai government's capabilities/culture are lagging behind

CAPABILITIES/CULTURE: THAILAND VS. SINGAPORE

	THAILAND	SINGAPORE
CAPABILITIES	 Very basic ICT literacyOnly basic ICT training course required for promotion between two mid- management levels Agency CIOs are not ICT professionalsroughly two thirds are not very proficient in ICT knowledge and skills; few are full- time; 1/3 annual turnover 	 Extensive program in place to ensure that all government employees are fully IT literate Strong IT organization with large pool of dedicated resources government attracts some of the most talented IT professionals
CULTURE	 Little awareness of broader e- gov/ICT value/implications Absence of senior level ICT civil service classifications inhibits motivation and incentive Government ICT salaries substantially lower than private sector 	 Government is run much like a private company, including Performance based management system Remuneration which is competitive with private sector Government benchmarks itself against private sector and actively recruits from private sector companies ("Singapore's brightest people work in the government")

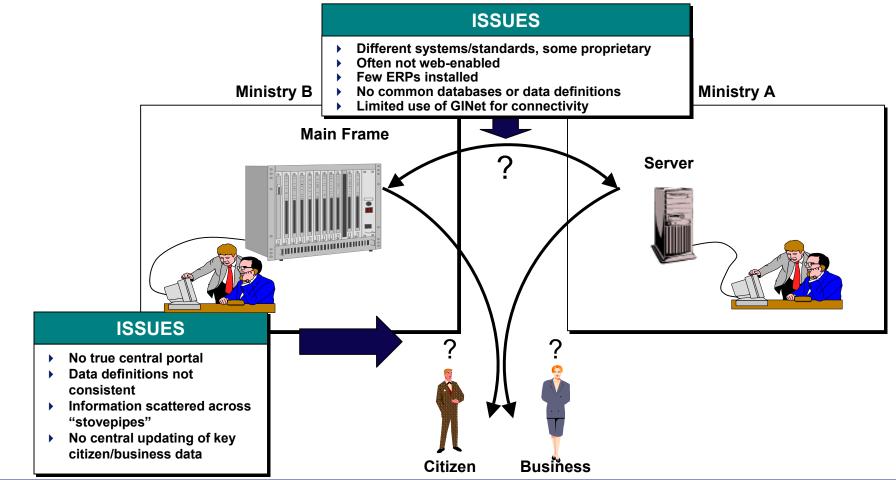






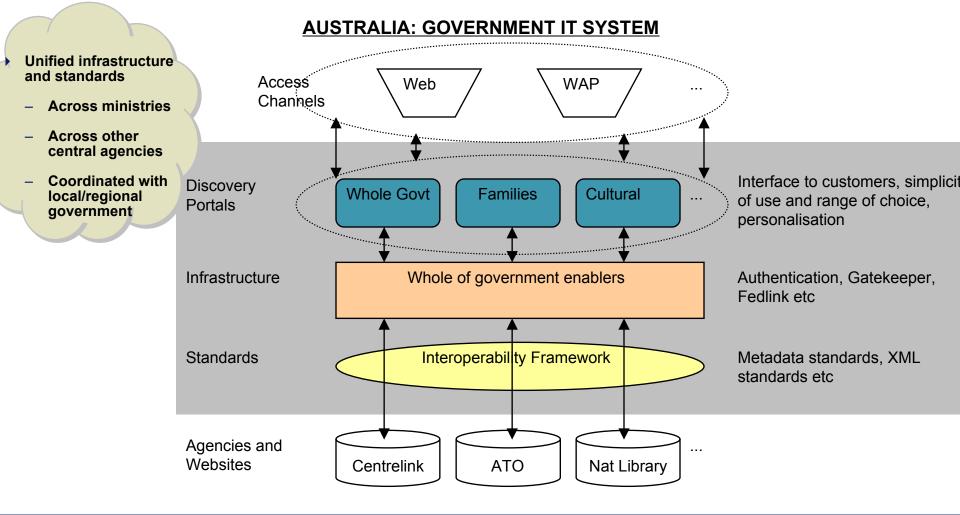
The Thai government's IT system is inadequate to support broad based e-government

THAI GOVERNMENT'S IT SYSTEM: STATUS AND ISSUES





Some countries have completely integrated their backoffices to enable seamless e-government offerings across departments







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In summary, Thailand's initial progress on government readiness has been in line with its overall development status

SUMMARY RATING: THAILAND'S GOVERNMENT READINESS

	RATING	RATIONALE	N	POTENTIAL IMPLICATIONS
CONTENT/SERVICE DELIVERY	2	 Content greater than anticipated, but initial push appears to have slowed 		 Waning interest in on- line information and services
PROCESSES	1	 No plans to address Business Process Reform (BPR) 		Missed opportunity to
CAPABILITIES/ CULTURE	1	 CIO program good concept and with some positive effects, but lacking in terms of implementation; need for stronger and more visible roles 		 improve processes Continued absence of direction in agency IT programs
IT SYSTEMS	2	 IT systems in line with Thailand's overall development status 		

Note: Ratings incorporate Thailand's relative income/development status

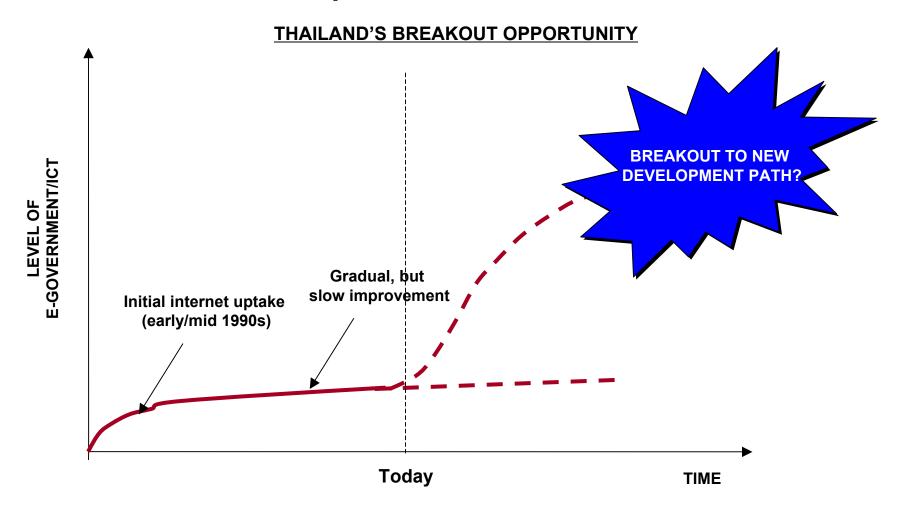


IV. Assessing Priorities for the Thai Government





Thailand's government needs to break out of its current stalemate to reach a new level of e-performance









The assessment findings indicate that the ICT leadership issues must be addressed in order to drive the country's performance...

	IMPORTANCE	RATIONALE		IMPLICATIONS FOR NEXT STEPS
LEADERSHIP	LEADERSHIP 4 starting point of program/initiative Failure to address lead to waste of program.	 Clearly defined leadership is starting point of any major program/initiative 		 Clearly define leadership, including structure and program
		 Failure to address leadership will lead to waste of resources and time which Thailand cannot afford 		
		 Need to enhance national IT/ICT skills in order to 		 Detailed analysis of specific country readiness
COUNTRY	3	 Bridge digital divide 	JSe	gaps and priorities
READINESS		 Get citizens online (also to use e-government services) 		 Launch/reinforcement of high impact initiatives
		 Drive economic growth 		
GOVERNMENT READINESS	2	 Needed to support other objectives, but real transformation remains a formidable and costly challenge 		 Identify and launch high impact initiatives

...with continued attention to the other two dimensions

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