

National Initiatives

Impacts:

Component	Element	Activity	Outcome	Indicator	Data source	Target
Infrastructure Readiness and Platform Deployment	Preparation for Installation of hardware and software	Create ICT Technical Standards highlighting minimum standards of ICTs for educational institutions.	ICT Technical Standards created highlighting minimum standards of ICTs for educational institutions.	Tech Standards are available to the public through www.tech.na.	www.tech.na website	September 2006
		Create mapping Survey to determine availability and use of ICTs.	Mapping Survey created to determine availability and use of ICTs.	Results of Mapping Survey available to the MOE in comprehensive database.	MOE Project Management Office for ICTs in Education	September 2006
		Create an affordable framework to extend connectivity and affordable bandwidth to all educational institutions under the XNET structure.	An affordable framework created to extend connectivity and affordable bandwidth to all educational institutions under the XNET structure.	Edunet business plan	NETSS support database cross-ref with XNET.	September 2006
		Development of School Selection Criteria	E-readiness criteria developed and applied resulting in deployment priorities within each educational institution type.	Deployment list available for MOE.	MOE Project Management Office for ICTs in Education	January 2007
		Development of E-Readiness Criteria				
		Creation of Priority List				
		Creation of Deployment List				

		Operationalisation of connectivity solution for all educational institutions under XNET.	Connectivity solution operational for all educational institutions under XNET.	EduNet operational	NETSS support database cross-ref with XNET.	January 2007
Curriculum Development	ICT Literacy	Development of ICT Literacy Certification (includes Foundation, Intermediate, and Advanced Levels)	Framework for ICT Literacy Certification created	ICT Literacy Framework available	MOE: NIED (www.nied.edu.na and www.tech.na)	September 2006
		Creation of unit standards, curriculum, and training materials for localised Foundation Level ICT Literacy Certification	Unit standards, curriculum and training materials are created for localised Foundation Level ICT Literacy	Unit standards, curriculum and training materials are available for localised Foundation Level ICT Literacy	MOE: NIED (www.nied.edu.na and www.tech.na)	September 2006
		Agreement with relevant partners for internationally recognised unit standards, curriculum, and training materials for Intermediate and Advanced aspects of ICT Literacy Certification	Ministry of Education sign agreement with international partners to use their developed unit standards, curriculum and training materials for Intermediate and Advanced levels of ICT Literacy Certification	Agreement signed by Ministry of Education with international partners to use their developed unit standards, curriculum and training materials for Intermediate and Advanced levels of ICT Literacy Certification	MOE: NIED (www.nied.edu.na and www.tech.na)	September 2006
	ICT Integration for Educators	Development of unit standards, curriculum and training materials of modules for ICT Integration for Educators	Unit standards, curriculum and training materials are created for ICT Integration for Educators module	Unit standards, curriculum and training materials are available for ICT Integration for Educators module	MOE: NIED (www.nied.edu.na and www.tech.na)	September 2006

	First Line Technical Support	Development of unit standards, curriculum and training materials of modules for ICT Integration for Educators	Unit standards, curriculum and training materials are created for First Line Technical Support	Unit standards, curriculum and training materials are available for First Line Technical Support	MOE: NIED (www.nied.edu.na and www.tech.na)	March 2007
Content Availability	E-Learning Centre	Creation of an E-Learning Centre to house all relevant e-content and provide e-training.	E-Learning Centre created to house all relevant e-content and provide e-training.	ELC operational	ELC	September 2006
	E-content creation	Combine "build, borrow, and buy" strategies to identify and develop a standard suite of relevant e-content for Maths, Science, and English for grades 8-12	"Build, borrow, and buy" strategies used to identify and develop a standard suite of relevant e-content for Maths, Science, and English for grades 8-12	Content available for deployment	ELC and NIED	September 2006 and continually evaluated and updated
		E-Learning Centre to coordinate the development of localised content for 20 units in either Maths, Science, and English for grades 8-12	Development of localised content for 20 units in either Maths, Science, and English for grades 8-12 coordinated by ELC	20 units per year available for deployment	ELC	Annually beginning in 2007
		Ensure creation of e-content addresses needs of specific groups, girls G8-12	E-content created to address needs of specific groups, girls G8-12			

		Ensure creation of e-content addresses needs of special needs learners in G8-12 and special needs schools G8-12	E-content created to address needs of special needs learners in G8-12 and special needs schools G8-12			
		Ensure creation of e-content addresses needs of specific groups, orphans and vulnerable children	E-content created to address needs of specific groups, orphans and vulnerable children			
		Ensure creation of e-content addresses needs of specific groups, marginalised groups	E-content created to addresses needs of specific groups, marginalised groups			
		Ensure creation of e-content addresses needs of specific groups, HIV/AIDS vulnerable teachers and learners	E-content created to addresses needs of specific groups, HIV/AIDS vulnerable teachers and learners			
Training and Usage		Development of feasible training programme for each educational institution type	Training programme developed for each educational institution type	Feasible training programme developed for each educational institution before deployments begin.	PMO	November 2006
Maintenance and Technical Support		Establish a National Education Technology Service and Support Centre (NETSS Centre) with appropriate regional capability to support all educational institutions and platform deployments.	NETSS Centre established.	NETSS Centre operational and able to provide support to all educational institutions and platform deployments.	MOE Project Management Office for ICTs in Education	September 2006

Educational Institution: Colleges of Education

Impacts:

Component	Element	Activity	Outcome	Indicator	Data source	Target
Infrastructure Readiness and Platform Deployment		Deployment of an aggregate of 12 computer labs in the four Colleges of Education. Deployments will consist of a minimum of 10 PCs, a printer, and projector and will be based on the identified need and student population of each College.	12 labs consisting with, at minimum, 10 PCs, a printer, a projector and/or ability to display audiovisual materials, and Internet connectivity available.	An aggregate of 12 computer labs are deployed to the four Colleges of Education.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Calendar year 2007
		Deployment of an aggregate of 12 computer labs in the four Colleges of Education. Deployments will consist of a minimum of 10 PCs, a printer, and projector and will be based on the identified need and student population of each College.	12 labs consisting with, at minimum, 10 PCs, a printer, a projector and/or ability to display audiovisual materials, and Internet connectivity available.	An aggregate of 12 computer labs are deployed to the four Colleges of Education.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Calendar year 2008

		Deployment of an aggregate of 6 computer labs in the four Colleges of Education. Deployments will consist of a minimum of 10 PCs, a printer, and projector and will be based on the identified need and student population of each College.	6 labs consisting with, at minimum, 10 PCs, a printer, a projector and/or ability to display audiovisual materials, and Internet connectivity available.	An aggregate of 6 computer labs are deployed to the four Colleges of Education.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Calendar year 2009
		Deployment of a cost sharing mechanism and deployment of laptop computers to all lecturers at the Colleges of Education.	All teacher educators have full-time access to a computer.	All teacher educators have a laptop or desktop computer.	NETSS database with bi-annual Mapping Survey for validation.	Calendar year 2009
Curriculum Development	ICT Literacy	Ensure ICT Literacy Certification fits within the Broad Curriculum requirements of the Colleges of Education	ICT Literacy Certification fits within the Broad Curriculum requirements of the Colleges of Education	Updated Broad Curriculum available	MOE: NIED (www.nied.edu.na and www.edsnet.na)	December 2007
	ICT Integration for Educators	Update the IMTE to cover how ICTs are integrated in pedagogy.	Updated IMTE syllabus approved	Updated IMTE syllabus available for implementation	MOE: NIED (www.nied.edu.na and www.edsnet.na)	December 2007
		Implement updated IMTE at all Colleges of Education.	Updated IMTE syllabus implemented	Updated IMTE syllabus used in all Colleges.	MOE: NIED (www.nied.edu.na and www.edsnet.na)	January 2008
		Revision of curricula which incorporates ICTs in subject areas for/at the Colleges of Education	Curricula incorporating ICTs in subject areas are revised at the Colleges of Education	Curricula incorporating ICTs in subject areas are available at the Colleges of Education	MOE: NIED (www.nied.edu.na and www.edsnet.na)	December 2007

		Develop curricula support materials (ICT Opportunities) which incorporate ICTs in subject areas at the Colleges of Education	Curricula support materials incorporating ICTs in subject areas are developed at the Colleges of Education	Curricula support materials incorporating ICTs in subject areas are available at the Colleges of Education	MOE: NIED (www.nied.edu.na and www.edsn.net.na)	December 2007 and Ongoing
	ICT as an examinable subject	Develop a computer studies syllabus for a major/minor option at the Colleges of Education for teaching Gr. 8-10	Computer studies syllabus developed and approved for a major/minor option at the Colleges of Education	Computer studies syllabus available for all Colleges of Education	MOE: NIED (www.nied.edu.na and www.edsn.net.na)	December 2008
		Implement developed computer studies syllabus	Computer studies syllabus implemented	Student teachers able to take Computer Studies as a major/minor option available through the Colleges of Education	MOE: NIED (www.nied.edu.na and www.edsn.net.na)	January 2009
Content Availability		Ensure participation in content development training programmes conducted by the Namibian E-Learning Centre	COE teacher educators participate in content development training programmes conducted by the Namibian E-Learning Centre	COE teacher educators participate in content development training programmes conducted by the Namibian E-Learning Centre	ELC: list of participants	Beginning January 2007 and Ongoing
		Ensure access to the e-learning content packages included as part of standard deployment to all Colleges	Access to the standard deployment e-learning content packages is available at all Colleges of Education	All deployments include e-learning content packages	NETSS	January 2007

Training and Usage	ICT Literacy	Train all teacher educators on Intermediate Level ICT Literacy.	All teacher educators successfully complete the Intermediate Level ICT Literacy Certification.	All teacher educators certified in Intermediate Level ICT Literacy before 2008 school year.	Project Management Office: data from training providers and certifications achieved. (NETSS?)	December 2007
		Train all 1st year pre-service student teachers on Foundation Level ICT Literacy.	All 1st year pre-service student teachers complete the Foundation Level ICT Literacy Certification by the end of their first year.	All 1st year pre-service student teachers certified in Foundation Level ICT Literacy by the end of their first year.	Colleges of Education: data of certification by all student teachers.	Beginning January 2009
		Train all 3rd year pre-service student teachers on Intermediate Level ICT Literacy.	All 3rd year pre-service student teachers complete the Intermediate Level ICT Literacy Certification prior to graduation.	All 3rd year pre-service student teachers certified in Intermediate Level ICT Literacy prior to graduation.	Colleges of Education: data of certification by all graduating student teachers.	Beginning January 2009
	ICT Integration for Educators	Train teacher educators on ICT Integration for Educators module.	All teacher educators successfully complete the module on ICT Integration for Educators.	All teachers educators certified in ICT Integration for Educators module before 2008 school year.	Project Management Office: data from training providers and certifications achieved. (NETSS?)	December 2007
		Development of at least 3 assignments per subject requiring ICT usage by pre-service teachers completed by teacher educators.	All teacher educators develop at least 3 assignments per semester per subject requiring ICT usage by pre-service teachers.	All teacher educators include at least 3 assignments per semester per subject requiring ICT usage by pre-service teachers.	PMO (ACTE): Review of course outline; Review lecturer sample assessment tasks	Beginning January 2008

	Teach all 3rd year pre-service student teachers on the ICT component in the IMTE programme.	All 3rd year pre-service student teachers successfully complete the ICT component in the IMTE programme prior to graduation.	Student teachers graduate.	Colleges of Education: graduation numbers.	December 2010
ICT as an examinable subject	Hire teacher educators to teach Computer Studies as a major at Colleges of Education.	A sufficient number of teacher educators are hired to teach Computer Studies as a major at Colleges of Education.	Sufficient number of teacher educators hired to teach Computer Studies at each College by beginning of 2009 school year.	Colleges of Education: data of hiring of Computer Studies lecturers.	Beginning January 2009
First line Technical Support	Train Computer Technicians on FLTS and NETSS escalation procedures.	Computer Technicians receive FLTS certification.	All Computer Technicians certified in FLTS by end of 2007.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	December 2007
ICT usage	Ensure all student teachers use ICTs for at least 1 class period per day.	Student teachers use ICT facilities at least 1 class period per day.	Student teachers use ICT facilities at least 1 class period per day.	Project Management Office: coordinate online/offline Questionnaire	End of 2009 (set interim targets)
Communication with MOE via ICT	Communicate with Ministry of Education through ICT infrastructure.	Over 50% communication with MOE done via email.	Over 50% communication with MOE done via email after certified in Foundation ICT Literacy.	Project Management Office: coordinate online/offline Questionnaire of COE staff	Beginning in May 2007
Maintenance and Technical Support	Computer Technician hired at each College of Education to provide M&TS for all ICTs at College.	All Colleges develop sufficient capabilities	All Computer Technicians certified	NETSS support database with bi-annual Mapping Survey (with	December 2007

	All Computer Technicians receive training for on-site FLTS and NETSS escalation procedures.	to provide FLTS on site.	in FLTS by end of 2007.	Survey (with online/offline Student Questionnaire) for validation.	December 2007
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Educational Institution: University of Namibia

Impacts:

Component	Element	Activity	Outcome	Indicator	Data source	Target
Infrastructure Readiness and Platform Deployment		Ensure upgrading and availability of sufficient ICTs for Faculty of Education within UNAM's existing roll-outs.	Many rooms with ICTs are available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available; and students have at least 1 class period per day where ICTs are utilised.	Many rooms with ICTs are available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available; and students have at least 1 class period per day where ICTs are utilised.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	January 2007 and ongoing
Curriculum Development	ICT Literacy	Ensure ICT Literacy Certification incorporated into pre-service and in-service teacher education as a compulsory requirement for all B. Ed students at UNAM	ICT Literacy Certification incorporated into pre-service and in-service teacher education as a compulsory requirement for all B. Ed students at UNAM	All B. Ed students (pre-service and in-service) at UNAM take ICT Literacy course that accounts for all knowledge and skills in ICT Literacy Certification	UNAM: Computer Science; Department of Information and Communication Studies; and Faculty of Education	January 2007

	ICT Integration for Educators	Revise and implement the focus of Education Technology module for pre-service and in-service teachers at UNAM to address ICT integration for educators rather than basic skills	Revised Education Technology module for pre-service and in-service teachers at UNAM implemented	Pre-service and in-service teachers at UNAM take revised Education Technology module	UNAM: Faculty of Education	January 2008
Content Availability		Ensure participation in content development training programmes conducted by the Namibian E-Learning Centre	UNAM Faculty of Education participate in content development training programmes conducted by the Namibian E-Learning Centre	UNAM Faculty of Education participate in content development training programmes conducted by the Namibian E-Learning Centre	ELC: list of participants	January 2007 and ongoing
		Ensure access to the e-Learning content packages included as part of standard deployment to all schools	Access to the standard deployment e-Learning content packages is available at UNAM Faculty of Education computer labs	All deployments include e-learning content packages	NETSS	January 2007 and ongoing
Training and Usage	ICT Literacy	Train teacher educators on Intermediate Level ICT Literacy coinciding with deployments.	All teacher educators successfully complete the Intermediate Level ICT Literacy.	All teacher educators certified in Intermediate Level ICT Literacy.	Project Management Office: data from training providers and certifications achieved. (NETSS?)	Beginning December 2007 and ongoing.
		Train 1st year pre-service student teachers in Foundation Level ICT Literacy coinciding with deployments.	1st year pre-service student teachers complete the Foundation Level ICT Literacy Certification by the end of their first year.	All 1st year pre-service student teachers certified in Foundation Level ICT Literacy by the end of their first year.	UNAM: data of certification by all student teachers.	Beginning January 2009 and ongoing.

	Train final year pre-service student teachers in Intermediate Level ICT Literacy coinciding with deployments.	All final year pre-service student teachers complete the Intermediate Level ICT Literacy Certification prior to graduation.	All 3rd year pre-service student teachers certified in Intermediate Level ICT Literacy prior to graduation.	UNAM: data of certification by all graduating student teachers.	Beginning January 2009 and ongoing.
ICT Integration for Educators	Train teacher educators on the ICT Integration for Educators module coinciding with deployments..	All teacher educators successfully complete the module on ICT Integration for Educators.	All teachers educators certified in ICT Integration for Educators module before 2008 school year.	Project Management Office: data from training providers and certifications achieved. (NETSS?)	Beginning December 2007 and ongoing.
	Development of at least 3 assignments per subject requiring ICT usage by pre-service teachers completed teacher educators.	All teacher educators develop at least 3 assignments per semester per subject requiring ICT usage by pre-service teachers.	All teacher educators include at least 3 assignments per semester per subject requiring ICT usage by pre-service teachers.	PMO (ACTE): Review of course outline; Review lecturer sample assessment tasks	Beginning January 2008 and ongoing.
	Teach all final year pre-service student teachers on the ICT component of the ECT programme prior to graduation	All final year pre-service student teachers successfully complete the ICT component of the ECT programme prior to graduation	Student teachers graduate	UNAM: graduation numbers	Beginning January 2009 and ongoing.
First line Technical Support	Train Computer Technicians for FLTS and NETSS escalation procedures.	All Computer Technicians receive certification in FLTS	All Computer Technicians certified in FLTS.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Beginning December 2007 and ongoing.

	ICT Usage	Ensure all student teachers use ICTs for at least 1 class period per day.	Student teachers use ICT facilities at least 1 class period per day	Student teachers use ICT facilities at least 1 class period per day.	Project Management Office: coordinate online/offline Questionnaire	By end of 2009 (set interim targets) and ongoing.
	Communication with MOE via ICT	Communicate with Ministry of Education through ICT infrastructure	Over 50% communication with MOE done via email	Over 50% communication with MOE done via email after certified in Foundation ICT Literacy.	Project Management Office: coordinate online/offline Questionnaire of UNAM staff	Beginning in May 2007
Maintenance and Technical Support		Computer Technician hired at UNAM to provide M&TS for all ICTs. All Computer Technicians receive training for on-site FLTS and NETSS escalation procedures.	UNAM develops sufficient capabilities to provide FLTS on site.	All Computer Technicians certified in FLTS.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	December 2007

Educational Institution: Teacher Resource Centres

Impacts:

Component	Element	Activity	Outcome	Indicator	Data source	Target
Infrastructure Readiness and Platform Deployment		Deployment of a resource lab with a minimum of 10 PCs, a printer, and a projector in 13 TRCs.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	At 13 TRCs, at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Calendar year 2007

		Deployment of a resource lab with a minimum of 10 PCs, a printer, and a projector in 10 TRCs.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	At 10 TRCs, at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Calendar year 2008
		Deployment of a resource lab with a minimum of 10 PCs, a printer, and a projector in 10 TRCs.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	At 10 TRCs, at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Calendar year 2009
Curriculum Development	ICT Literacy	Ensure ICT Literacy Certification is available for use at the TRCs.	ICT Literacy Certification is available for use at the TRCs.	ICT Literacy Certification is available for use at the TRCs and through websites.	NIED Resource Centre, www.nied.edu.na, www.edsn.net.na, and www.tech.na	December 2006
	ICT Integration for Educators	Ensure module for ICT Integration for Educators is available for use at the TRCs.	Module for ICT Integration for Educators is available for use at all TRCs.	Module for ICT Integration for Educators is available for use at all TRCs and through websites.	NIED Resource Centre, www.nied.edu.na, www.edsn.net.na, and www.tech.na	December 2006
	First Line Technical Support	Ensure First Line Technical Support module available for use at all TRCs	Module for First Line Technical Support available for use at all TRCs.	Module for First Line Technical Support available for use at all TRCs and through websites.	NIED Resource Centre, www.nied.edu.na, www.edsn.net.na, and www.tech.na	March 2007

Content Availability		Ensure participation in content development training programmes conducted by the Namibian E-Learning Centre	TRC staff participate in content development training programmes conducted by the Namibian E-Learning Centre	TRC staff participate in content development training programmes conducted by the Namibian E-Learning Centre	ELC: list of participants	January 2007 and Ongoing
		Ensure access to the e-Learning content packages included as part of standard deployment to all schools	Access to the standard deployment e-Learning content packages is available at all TRCs	All deployments include e-learning content packages	NETSS	January 2007
Training and Usage	ICT Literacy	Train for Intermediate Level ICT Literacy.	At least 50% staff receive Intermediate Level ICT Literacy Certification as part of site based user training done during deployments of ICTs	At least 50% staff certified in Intermediate Level ICT Literacy at the end of each round of training.	Project Management Office: data from training providers and certifications achieved.	Beginning in January 2007 and continuing with each round of deployments.
	ICT Integration for Educators	Offer at least 2 workshops per year at one (minimum) TRC in each region on ICT Integration for Inspectors and Advisory teachers	Inspectors and Advisory teachers trianed on ICT Integration for Educators.	Inspectors and Advisory teachers trianed on ICT Integration for Educators twice per year coinciding with deployments.	TRC	Beginning in January 2007 and continuing with each round of deployments.
	First Line Technical Support	Train on FLTS and NETSS escalation procedures.	At least 2 TRC staff members receive FLTS certification.	At least 2 TRC staff members certified in FLTS.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Beginning in January 2007 and continuing with each round of deployments.

	Communication with MOE via ICT	Communicate Ministry of Education done through ICT infrastructure	Over 20% communication with MOE done via email	Over 20% communication with MOE done via email after certified in Foundation ICT Literacy.	Project Management Office: coordinate online/offline Questionnaire of TRC staff	Beginning in May 2007 and continuing with each round of deployments
Maintenance and Technical Support		At least 2 TRC staff members receive training shortly after deployment for on-site FLTS and NETSS escalation procedures.	All TRCs develop sufficient capabilities to provide FLTS on site.	At least 2 TRC staff members certified in FLTS.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Beginning in March 2007 and continuing with each round of deployments

Educational Institution: Schools with Secondary Grades

Impacts:

Component	Element	Activity	Outcome	Indicator	Data source	Target
Infrastructure Readiness and Platform Deployment	Overall targets	All 532 schools with secondary grades (including upgrades of the 350 schools with ICTs currently) have ICTs deployed based on the Standard Deployment Model. - i.e. A resource centre with at least 15 PCs and a printer, at least one laptop with a projector or digital white board for teacher use in ICT integration, one PC with printer for administrative staff use.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	All school with secondary grades will have at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual review of EMIS for validation. Also, online/offline Learner Questionnaire via sample population.	End of 2009

Annual targets	Deployment of ICTs in 150 schools based on the Standard Deployment Model described above.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	At least 150 schools will be equipped with at least 1 room with ICTs; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual review of EMIS for validation. Also, online/offline Learner Questionnaire via sample population.	Calendar year 2007
	Deployment of ICTs in a minimum of 200 schools based on the Standard Deployment Model described above.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available; and learners have at least 1 class period per week where ICTs are utilised.	At least 150 schools will be deployed at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available; and learners have at least 1 class period per week where ICTs are utilised.	NETSS inventory management system and NETSS support database with bi-annual review of EMIS for validation. Also, online/offline Learner Questionnaire via sample population.	Calendar year 2008
	Deployment of ICTs in a minimum of 200 schools based on the Standard Deployment Model described above.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available; and learners have at least 1 class period per week where ICTs are utilised.	At least 200 schools will be equipped with at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual review of EMIS for validation. Also, online/offline Learner Questionnaire via sample population.	Calendar year 2009
Curriculum	ICT Literacy	Ensure ICT Literacy	ICT Literacy		

Development		Certification fits within the Broad Curriculum requirements of Schools with	Certification fits within the Broad Curriculum requirements of Schools with	Updated Broad Curriculum available	MOE: NIED (www.nied.edu.na and www.edsnet.na)	June 2007
		ICT Literacy Certification curricula and materials are available as per "National Initiatives"	ICT Literacy Certification curricula and materials are available as per "National Initiatives"	ICT Literacy Certification curricula and materials are available as per "National Initiatives"	MOE: NIED (www.nied.edu.na and www.tech.na)	September 2006
	ICT Integration for Educators	ICT Integration for Educators curricula and materials are available as per "National Initiatives"	ICT Integration for Educators curricula and materials are available as per "National Initiatives"	ICT Integration for Educators curricula and materials are available as per "National Initiatives"	MOE: NIED (www.nied.edu.na and www.tech.na)	September 2006
		Analyse the school curriculum (all phases) and identify opportunities of integration across the curriculum and in specific subjects	Opportunities identified to integrate ICTs across the curriculum and specific subject areas	Description of identified ICT Opportunities available on websites.	ELC; www.nied.edu.na and www.tech.na	December 2006 and Ongoing
	ICTs as an examinable subject	Revise the Computer Studies for Grades 8-10 syllabus (previously known as Computer Practice).	Computer Studies for Grades 8-10 syllabus revised	Revised Computer Studies for Grades 8-10 syllabus available	NIED	January 2007
	First Line Technical Support	First Line Technical Support curricula and materials are available as per "National Initiatives"	First Line Technical Support curricula and materials are available as per "National Initiatives"	First Line Technical Support curricula and materials are available as per "National Initiatives"	MOE: NIED (www.nied.edu.na and www.tech.na)	March 2007

Content Availability		Ensure participation in content development training programmes conducted by the Namibian E-Learning Centre	In-service teachers participate in content development training programmes conducted by the Namibian E-Learning Centre	In-service teachers participate in content development training programmes conducted by the Namibian E-Learning Centre	ELC: list of participants	January 2007 and Ongoing
		Ensure access to the e-Learning content packages included as part of standard deployment to all schools	Access to the standard deployment e-Learning content packages is available at all schools with secondary grades	All deployments include e-learning content packages	NETSS	January 2007
Training and Usage	ICT Literacy	Train teachers, principals and staff on Foundation Level ICT Literacy.	All principals, 65% of teachers and 50% admin staff members receive Foundation Level ICT Literacy Certification.	All principals, 65% of teachers and 50% admin staff members certified in Foundation Level ICT Literacy after first term of training done at each school coinciding with deployments.	Project Management Office: data from training providers and certifications achieved.	Beginning March 2007 and continuing with each round of deployments.
		Train for Intermediate and Advanced ICT Literacy.	At least 2 teachers and at least 25% of admin staff members receive Intermediate Level ICT Literacy Certification or higher ICT qualification.	At least 2 teachers and at least 25% of admin staff members receive Intermediate Level ICT Literacy Certification or higher ICT qualification after first term of training done at each school coinciding with deployments..	Project Management Office: data from training providers and certifications achieved.	Beginning May 2007 and continuing with each round of deployments.
		Integration of ICT Literacy Certification into school curricula	ICT Literacy Certification integrated into school curricula	ICT Literacy Certification integrated into school curricula		

ICT Integration for Educators	Train teaching staff on ICT Integration for Educators module.	At least 50% of teaching staff receives ICT Integration for Educators Certification.	At least 50% of teaching staff certified in ICT Integration for Educators Certification after first term of training done at each school coinciding with deployments..	Project Management Office: data from training providers and certifications achieved.	Beginning May 2007 and continuing with each round of deployments.
First Line Technical Support	Train for FLTS and NETSS escalation procedures.	At least 3 staff members (at least two of whom are teaching staff) receive FLTS certification.	At least 3 staff members (at least two of whom are teaching staff) receive FLTS certification.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Beginning March 2007 and continuing with each round of deployments.
Training of learners	Ensure learners use ICTs for at least one period a week.	Learners use ICTs for at least one period a week.	Learners use ICTs for at least one period a week being with deployments	PMO: conduct online/offline learner questionnaire	March 2007 and ongoing
	Train learners in at least Foundation Level ICT Literacy certification	At least 50 learners per year in each of the schools with secondary grades with ICT deployments will receive Foundation Level ICT Literacy Certification	At least 50 learners per year in each of the schools with secondary grades with ICT deployments will receive Foundation Level ICT Literacy Certification.	PMO: data on certifications achieved at each school; assessing organisation	Beginning January 2008 and ongoing
	Offer learners Computer Studies for Grades 8-10 at schools with secondary grades.	Learners complete Computer Studies for Grades 8-10 course	Learners complete Computer Studies for Grades 8-10 course starting by 2012 school year.	EMIS	Beginning January 2012 (with interim targets) and ongoing

	Communication with MOE via ICT	Communicate with Ministry of Education through ICT infrastructure.	Over 20% communication with MOE done via email.	Over 20% communication with MOE done via email after certified in Foundation ICT Literacy.	PMO: coordinate an online/offline questionnaire completed by school staff	Beginning in May 2007 and continue with each round of deployments
Maintenance and Technical Support		At least 2 staff members (at least one of whom is a teacher) receive training shortly after deployment for on-site FLTS and NETSS escalation procedures.	All schools develop sufficient capabilities to provide FLTS on site.	At least 3 staff members (at least two of whom are teaching staff) receive FLTS certification.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Beginning March 2007 and continuing with each round of deployments.

Educational Institution: VET Centres

Impacts:

Component	Element	Activity	Outcome	Indicator	Data source	Time frame
Infrastructure Readiness and Platform Deployment		Deployment of a lab with a minimum of 10 PCs, a printer, and projector in each of the five VTCs.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	Each VTCs receives at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Trainee Questionnaire) for validation.	Per year in 2007, 2008, and 2009.
		Deployment of a lab with a minimum of 10 PCs, a printer, and projector in two COSDECs.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	Two COSDECs receive at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Trainee Questionnaire) for validation.	Calendar year 2007

		Deployment of a lab with a minimum of 10 PCs, a printer, and projector in two COSDECs.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	Two COSDECs receive at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Trainee Questionnaire) for validation.	Calendar year 2008
		Deployment of a lab with a minimum of 10 PCs, a printer, and projector in three COSDECs.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	Three COSDECs receive at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey (with online/offline Trainee Questionnaire) for validation.	Calendar year 2009
Curriculum Development	ICT Literacy	Ensure ICT Literacy Certification is available for use at the VET Centres.	ICT Literacy Certification is available for use at the VET Centres.	ICT Literacy Certification is available for use at the VET Centres and through websites.	VET Directorate, www.nied.edu.na, www.edsn.net.na, and www.tech.na	December 2006
	ICT Integration for Educators	Ensure module for ICT Integration for Educators is available for use at the VET Centres.	Module for ICT Integration for Educators is available for use at all VET Centres.	Module for ICT Integration for Educators is available for use at all VET Centres and through websites.	VET Directorate, www.nied.edu.na, www.edsn.net.na, and www.tech.na	December 2006
	First Line Technical Support	Ensure module for FLTS is available for use at the VET Centres.	Module for FLTS is available for use at the VET Centres.	Module for FLTS is available for use at the VET Centres and through websites.	NLAS, www.nied.edu.na, www.edsn.net.na, and www.tech.na	March 2007

Content Availability		Ensure participation in content development training programmes conducted by the Namibian E-Learning Centre	VET Centre instructors participate in content development training programmes conducted by the Namibian E-Learning Centre	VET Centre instructors participate in content development training programmes conducted by the Namibian E-Learning Centre	ELC: list of participants	January 2007 and Ongoing
Training and Usage	VET Centre instructors	Train a sufficient number of instructors in the Foundation, Intermediate and Advanced Level Certification, including A+, Cisco or a similar certification	At least 2 staff members receive at least Intermediate Level ICT Literacy certification or higher ICT qualification	At least 2 staff members at each VET Centre certified in at least Intermediate Level ICT Literacy or higher ICT qualification coinciding with deployments	VET Centres: data on certifications	Beginning March 2007 and continuing with each round of deployments.
		Train on FLTS and NETSS escalation procedures.	At least 2 staff members receive FLTS certification.	At least 2 staff members receive FLTS certification at each VET Centre coinciding with deployments.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Beginning March 2007 and continuing with each round of deployments.
	VET Centre trainees	Based on industry needs, train a sufficient number of trainees in Foundation, Intermediate and Advanced Level of ICT Literacy.	Trainees receive certification in Foundation, Intermediate and Advanced Level of ICT Literacy as necessary.	Trainees receive certification in Foundation, Intermediate and Advanced Level of ICT Literacy as necessary.	VET Centres: data on certifications	Beginning in March 2007 and continue with each round of deployments
		Ensure trainees use ICTs for at least one period a week.	Trainees use ICTs for at least one period a week.	Trainees use ICTs for at least one period a week being with deployments	PMO: conduct online/offline learner questionnaire	March 2007 and ongoing

	COSDEC trainees	Ensure trainees use ICTs for at least one period a week.	Trainees use ICTs for at least one period a week.	Trainees use ICTs for at least one period a week being with deployments	PMO: conduct online/offline learner questionnaire	March 2007 and ongoing
	Communication with MOE via ICT	Communicate with Ministry of Education through ICT infrastructure	Over 20% communication with MOE done via email	Over 20% communication with MOE done via email after certified in Foundation ICT Literacy.	PMO: coordinate an online/offline questionnaire completed by VET Centre staff	Beginning in March 2007 and continue with each round of deployments
Maintenance and Technical Support		At least 2 staff members receive training shortly after deployment for on-site FLTS and NETSS escalation procedures.	VET Centres develop sufficient capabilities to provide FLTS on site.	At least 2 staff members receive FLTS certification at each VET Centre coinciding with deployments.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Beginning March 2007 and continuing with each round of deployments.

Educational Institution: National, Regional, and Community Libraries

Impacts:

Component	Element	Activity	Outcome	Indicator	Data source	Target
Infrastructure Readiness and Platform Deployment		Deployment of labs with a minimum of 10 PCs, a printer, digital photocopier (leased), and projector in ten regional or community libraries.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	Ten regional/community libraries receive at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Calendar year 2007

		Deployment of labs with a minimum of 10 PCs, a printer, digital photocopier (leased), and projector in ten regional or community libraries.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	Ten regional/community libraries receive at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Calendar year 2008
		Deployment of labs with a minimum of 10 PCs, a printer, digital photocopier (leased), and projector in ten regional or community libraries.	At least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	Ten regional/community libraries receive at least 1 room with ICTs is available; a projector and/or ability to display audiovisual materials is available; and Internet connectivity is available.	NETSS inventory management system and NETSS support database with bi-annual Mapping Survey for validation.	Calendar year 2009
Curriculum Development	ICT Literacy	Ensure ICT Literacy Certification is available for use at the Libraries.	ICT Literacy Certification is available for use at the Libraries.	ICT Literacy Certification is available for use at the Libraries and through websites.	NLAS, www.nied.edu.na, www.edsnet.na, and www.tech.na	December 2006
	First Line Technical Support	Ensure module for FLTS is available for use at the Libraries.	Module for FLTS is available for use at the Libraries.	Module for FLTS is available for use at the Libraries and through websites.	NLAS, www.nied.edu.na, www.edsnet.na, and www.tech.na	March 2007
Content Availability		Ensure participation in content development training programmes conducted by the Namiban E-Learning Centre	Library staff participate in content development training programmes conducted by the Namiban E-Learning Centre	Library staff participate in content development training programmes conducted by the Namiban E-Learning Centre	ELC: list of participants	January 2007 and ongoing

		Ensure that relevant electronic information sources for education and research will be evaluated and gradually made available through the library network.	Relevant electronic information sources for education and research evaluated and made available through the library network.	Relevant electronic information sources for education and research evaluated and made available through the library network.	NLAS	Beginning January 2007 and ongoing
Training and Usage	ICT Literacy	Train library staff members on Intermediate ICT Literacy (onsite) immediately after deployments occur.	At least 2 staff members at each library receive Intermediate Level ICT Literacy Certification.	At least 2 staff members at each library certified in Intermediate Level ICT Literacy coinciding with deployments.	NLAS	Beginning in March 2007 and continue with each round of deployments
	First Line Technical Support	Train on FLTS and NETSS escalation procedures immediately after deployments occur.	At least 2 staff members receive FLTS certification.	At least 2 staff members at each library receive FLTS certification coinciding with deployments.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Beginning in March 2007 and continue with each round of deployments
	Online information resources	Train for effective use of online information resources.	At least 1 staff member can effectively use of online information resources.	At least 1 staff member at each library effectively uses of online information resources.	NLAS	Beginning in March 2007 and continue with each round of deployments
	Communication with MOE via ICT	Communicate with Ministry of Education through ICT infrastructure.	Over 20% communication with MOE done via email.	Over 20% communication with MOE done via email after certified in Foundation ICT Literacy.	PMO: coordinate an online/offline questionnaire completed by library staff	Beginning in March 2007 and continue with each round of deployments

Maintenance and Technical Support		At least 2 staff members receive training shortly after deployment for on-site FLTS and NETSS escalation procedures.	All libraries develop sufficient capabilities to provide FLTS on site.	At least 2 staff members at each library receive FLTS certification coinciding with deployments.	NETSS support database with bi-annual Mapping Survey (with online/offline Student Questionnaire) for validation.	Beginning March 2007 and continuing with each round of deployments.
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