ENHANCING TEACHER CAPABILITIES IN INFORMATION AND COMMUNICATION TECHNOLOGIES

Schedule 2.3

Issues

The parties agree the key issues to be addressed are:

- There is a need for Territory teachers to be trained in the use of information and communication technologies.
- There is a need for Territory teachers to better use information and communication technologies as a teaching and learning tool across all areas of the curriculum.
- DEET currently outsources some of this professional development to interstate providers.
- Many of the IT staff in the Faculty of Technology also have qualifications in education and have the capacity to contribute to program development.
- The collaborative strategic planning of ICT infrastructure use and support in remote centres may increase the effectiveness of ICT as a learning tool for community members as well as school and university students.

Strategies

The parties agree the strategies they will employ are:

The establishment of a combined DEET/NTU working group whose focus is the implementation of teacher capabilities in the use of ICT in teaching and learning. The strategies are

- Review local and global systemic best practice that develops teaching and learning that uses technology effectively to enhance student outcomes
  - Status – literature reviews have been undertaken along with discussions with relevant officers in other Australian education sectors with respect to how those systems are approaching the issue of teacher capabilities in ICT.
Last reviewed June 2004

- Assess the feasibility of leveraging off work done in other jurisdictions to meet the requirements of NT teachers in line with the NT context, curriculum, pedagogy, learning architecture and demographics.
  - Status – where appropriate best practice methodologies arising from cross-sectoral visits, discussions and literature reviews have been incorporated into the thinking and planning of the Teacher Capabilities in ICT initiative.

- Using the outcomes from the analysis of dot point strategies 1 and 2 above, guide and critically review the design of a teacher capabilities package.
  - Status – ICT Adoption Continuum developed and being used to inform DEET/CDU as to the professional learning requirements of teachers. Educational Leadership in ICT framework developed to assist school leadership in maximising opportunity for teachers to incorporate ICT in their teaching and learning.

- Coordinate the implementation of the ICT Teacher Capabilities package in 2004.
  - Status – CDU committee with NT DEET representation formed to guide the development of professional learning units, modules and courses that have direct relevance to NT DEET teachers, best practice pedagogy and incorporation of current DEET initiatives.

- Develop strategy and implementation mechanism for improving Teacher Capabilities in ICT.
  - Status – sub-committee formed to oversee the publication of an information package to inform NT DEET teachers about professional learning offerings that will assist them in the use of ICT in teaching and learning. This package to be made available to teachers in the first half of 2004 with units, modules and courses scheduled to commence in Semester 2, 2004.

- Develop a strategy for delivering a set of assessable nationally recognised ICT competencies for Year 10 students.
  - Status – Pilot implementation of VET Certificate 1 in Information Technology to commence in 2004 with CDU acting as the Registered Training Organisation and awarding the parchment.

The working group will consist of 9 DEET personnel representing key DEET Branches and schools, and 3 NTU representatives will

- Adopt a collaborative approach to ICT program review and design through joint membership on a working party.
Explore recruitment of university expertise in key areas for ICT/education. Gap analysis to be undertaken and specialist areas identified - ongoing

Other strategies to be developed

Performance Indicators (under development)

The parties agree the indicators to be used are (development still in progress)

- Methodologies developed to gather quantitative baseline data
- Teacher ICT capability pilots running in 5 schools Semester 2, 2003
- Teacher capabilities implemented Semester 1 2004
- NTU Course of Teacher Capabilities available