Purpose statement

The following purpose is for the 600/6124/8 Level 4 Diploma for ICT Professionals - Systems and Principles

Area	Description
OVERVIEW	
What does this qualification cover?	The Level 4 Diploma for ICT Professionals - Systems and Principles qualification provides a substantial range of knowledge and practice required to work in the ICT industry in autonomous or senior roles such as; support technician, network and cable installation designer, software developer, games developer or telecoms technician. It can be used individually or as part of the Technical Certificate in the Higher Apprenticeship in IT, Software, Web and Telecoms.

Learners are required to complete four mandatory units;

- Project management
- Effective communication in business
- Systems development
- Personal and professional development

and can then select a range of units that meets their career development or that will underpin the Competency element of the Higher Apprenticeship in IT, Software, Web and Telecoms. Typical subjects covered include;

- Principles of ICT system and data security
- Principles of planning telecommunications services
- Requirements analysis and systems specifications
- Software design fundamentals
- Systems architecture
- Telecommunications principles
- Business skills for e-commerce
- Emerging Technologies
- Event Driven Programming Solutions
- Human Computer Interaction
- Management in Information Technology
- Mathematics for software development
- Network operating systems
- Networking Technologies
- Object Oriented Programming
- Procedural Programming

WHAT COULD THIS QUALIFICATION LEAD TO?

Why choose this qualification over similar qualifications?	This qualification provides the skills and knowledge for a learner to undertake a role within an ICT environment in areas such as;
	• Systems or data analysts
	• Systems or software development
	• Network design or management
	• ICT or telecommunications integration
	• Information or systems management
	The Level 4 Diploma for ICT Professionals - Systems and Principles can also lead to the following qualifications:
	• ILM Level 4 or Level 5 Qualifications in Management
	• City & Guilds Professional Recognition Awards
	• Higher Apprenticeship in IT, Software, Web and Telecoms
	• Higher Apprenticeship in Information Security
	City & Guilds offer no similar qualifications in order to achieve these job roles. If the learner is looking for job roles at a lower level it is advised they go for the ICT Systems and Principles at Level 2 or 3.
Alternatives routes to achieve the same outcome?	Learners can also take this qualification as part of the Higher Apprenticeship for IT, Software, Web & Telecoms Professionals - Level 4, however, taking with a loan allows a flexible route for those adults in employment and looking for a career change. Also with apprenticeships, the delivery can be limited to the employers environment whereas this flexible qualification allows providers to deliver software development, cloud, security, network and server skills in a classroom based environment. The qualification also caters for those that are unemployed and those progressing from Level 3 who may not wish to take on or be able to afford an apprenticeship.
How this qualification supports the identified outcome(s)?	The Level 4 Diploma for ICT Professionals - Systems and Principles allows learners to learn, develop and practise the higher level skills required for employment and/or career progression as ICT and Telecommunications professionals. The qualification will enable learners to gain generic and specific management and technical skills appropriate to their field or aspirations.

WHO SUPPORTS THIS QUALIFICATION?	
Employer/Higher Education Institutions	The qualification is supported by the following employers and trade body:
	Employers
	Cisco
	Ian Foddering
	020 8824 1000
	ForgeRock
	Kevin Streater
	kevin.streater@forgerock.com
	Optimity
	Anthony Impneyt
	aimpey@optimity.co.uk
	Microsoft
	Sarah Foxall
	0844 800 2400
	IBM
	Paul D Jagger
	023 9256 1000
	Esuasive
	Colin Weaver
	CWeaver@dbgroup.co.uk
	Trade Body:
	CompTIA
	Graham Hunter
	0207 330 6060