Learning Specification CODE	EKAS- Learning Specification TITLE	Clause No	Clause Titles Located in Testing Units within the Diploma and the Adv Dip of ESI - Power Systems	D TS01	D TS02	AD TS03	AD TS04	D TS05	D TS06	D TS07	D TS08	D TS09	AD TS10	D TS11	AD TS12	AD TS13	D TS14	AD TS15	AD TS16
		E2.18.1	Occupational health and safety principles	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		E2.18.2	Electrical safe working practice	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		E2.18.8.2	Occupational health and safety - enterprise responsibilities	■	■	■	■	■	■	■	■	■	■	■	■	■			
LSTEL005A	Power Supply Systems	**T2.2.1**	Generation power systems							■	■	■		■			■		
		T2.2.2	Transmission, distribution and rail power systems							■	■	■		■			■		
		T2.2.3	Substations, distribution and rail power systems							■	■	■		■			■		
LSTIS504A	Metering Devices and Priniciples.	**T2.2.15**	Metering installations						■										
LSTIS502A	Generator Control Systems - HV	**T2.2.34**	Generator control systems - HV								■	■							
LSTIS030A	Electrical Equipment - HV and LV Powerline	**T2.2.48**	Electrical equipment - HV and LV powerline								■	■							
LSTIS509A	Coordinating permit access authority procedures.	**T2.2.49**	Coordinating permit access authority procedures						■	■	■	■		■			■		
LSTIS014A	Distrubtion Powerline Safety Practices	T2.3.1	Powerline Safety Practices.				■							■					
		T2.3.2	Powerline safety - implementation and monitoring											■					
LSTIS010A	Statutory and Safety Considerations for HV Electrical Work	**T2.3.3**	Statutory and safety considerations	■			■	■	■	■	■			■		■	■	■	■
LSTIS513A	Electrical equipment - Protection and control schemes.	**T2.3.4**	Electrical equipment - protection and control schemes	■			■											■	■
LSTIS508A	Protection secondary isolations - Coordinating and applying procedures.	**T2.3.5**	Discrete protection schemes - Isolation and tagging procedures	■			■											■	■
LSTIS517A	Protection devices - Maintenance and commissioning prinicples.	**T2.3.6**	Protection devices - Maintenance and commissioning principles	■			■											■	■
LSTIS514A	Fundamental protection systems.	**T2.3.7**	Protection devices - Manufacturers requirements	■			■											■	■
LSTIS507A	System switching operations & authorisation procedures - HV	**T2.4.8**	System switching operations and authorisation procedures - HV							■	■	■		■			■		
LSTIS506A	System switching operations & authorisation procedures - LV	**T2.4.9**	System switching operations and authorisation procedures - LV							■	■	■		■			■		
LSTIS533A	Disposal procedures for insulating materials.	**T2.7.6**	Disposal procedures for insulating materials.	■	■													■	■
		T2.8.7	Enterprise specific - Equipment installation procedures											■			■		
LSTIS523A	Interpretation of power system network drawings and documentation.	**T2.9.1**	Interpretation of power distribution network drawings and documentation			■													
LSTIS410A	Substation inspection procedures	**T2.10.1**	Visual inspection procedures - Substations	■	■		■											■	■
LSTIS518A	Surge relay operation and maintenance - Substations	**T2.10.2**	Surge relay operation and maintenance - Substations	■	■		■											■	■
LSTIS522A	Commissioning of discrete protection devices- Substations	**T2.10.3**	Commissioning of discrete protection devices- Substations		■														■
LSTIS517A	Protection devices - Maintenance and commissioning prinicples.	**T2.10.9**	Analyse and interpret results and measurements - Substations	■	■	■	■											■	■
		T2.10.11	Substation Safety Practices				■												
		T2.10.15	High Voltage Insulation system principles - Substations				■												
		T2.10.16	Power Transformers and Reactor principles - Substations				■							■					
LSTIS419A	Reactive plant principles - Substations	**T2.10.17**	Static reactive plant principles - Substations	■	■		■							■				■	■
		T2.10.18	On Load Tapchanger principles - Substations				■							■					
		T2.10.21	Circuit Breaker Construction Principles - Substations											■					
LSTIS412A	Infared Imaging Principles - Substations	**T2.10.23**	Infrared imaging principles - substations	■															
LSTIS419A	Reactive plant principles - Substations	T2.10.24	Rotating reactive plant Principles - Substations											■					

Learning Specification CODE	EKAS- Learning Specification TITLE	Clause No	Clause Titles Located in Testing Units within the Diploma and the Adv Dip of ESI - Power Systems	TS01	TS02	TS03	TS04	TS05	TS06	TS07	TS08	TS09	TS10	TS11	TS12	TS13	TS14	TS15	TS16
LSTIS521A	Commissioning of protection and control systems.	**T2.10.25**	Commissioning of distribution protection and control systems - substations	■															
		T2.10.26	Voltage regulation scheme principles - Substations				■							■					
LSTIS515A	Use of test equipment on a discrete protection scheme - Substations.	**T2.10.27**	Use of test equipment on a discrete protection scheme - Substations	■	■		■											■	■
LSTIS513A	Electrical equipment - Protection and control schemes.	**T2.10.28**	Electrical equipment-distribution field device protection & control schemes-Substations	■										■					
LSTIS524A	Power system layouts.	**T2.11.1**	Power System layouts			■													
LSTIS520A	Circuit breaker auxilliary systems	**T2.11.2**	Circuit breaker auxiliary systems	■															
		T2.11.8	Voltage control devices on interconnected transmission systems				■							■					
		T2.11.9	Calculation of rating of voltage control devices.											■					
		T2.11.11	Control of transient overvoltages				■							■					
LSTIS525A	Being written by Western Power.	**T2.11.14**	Fault calculation techniques			■													
LSTIS511A	Visual inspection procedures - Protection	**T2.11.15**	Visual Inspection Procedures				■	■	■										
LSTIS521A	Commissioning of protection and control systems.	**T2.11.16**	Commissioning Procedures				■		■					■					
LSTIS526A	Being written by Western Power.	**T2.11.17**	Protection scheme requirements			■													
LSTIS514A	Fundamental protection systems.	**T2.11.18**	Discrete protection systems	■	■	■	■											■	■
		T2.11.19	Interdependant protection systems	■	■	■	■											■	■
LSTIS527A	Being written by Western Power.	**T2.11.20**	Complex protection systems			■												■	■
LSTIS531A	Being written by Western Power.	**T2.11.21**	Financial impact statements													■			
LSTIS503A	Instrument transformers	**T2.11.22**	Instrument transformers							■									
		T2.11.23	Locate and recify faults in electrical equipment	■				■			■			■					
LSTIS504A	Metering devices and principles	**T2.11.24**	Electrical equipment - Metering devices				■	■	■		■								
		T2.11.25	Communication Devices and Principles														■		
LSTIS505A	Test equipment - Protection.	**T2.11.26**	Test Equipment A – Fundamental				■				■				■				
		T2.11.27	Test Equipment B – Protection				■				■				■				
LSTTS501A	Test equipment C - Metering. and principles	**T2.11.28**	Test Equipment C – Metering				■	■	■						■				
		T2.11.30	Test Equipment E – Field				■												
LSTIS528A	Primary plant testing.	**T2.11.31**	Primary plant testing												■				
LSTIS508A	Protection secondary isolations - Coordinating and applying procedures.	**T2.11.35**	Secondary Switching/isolation principles and sheet preparation									■	■						
		T2.11.36	Disconnect and reconnect fixed wiring electrical equipment fundaments	■				■						■					
LSTIS532A	Being written by Western Power.	**T2.11.37**	Negotiation techniques	■												■			
		T2.11.38	Disconnect and reconnect fixed wiring electrical equipment principles											■					
LSTIS529A	Being written by Western Power.	**T2.11.39**	Project Management													■			
LSTIS516A	Harmonics.	**T2.11.40**	Harmonics	■				■						■					
LSTTS502A	Fault-finding and diagnosing techniques.	**T2.11.41**	Fault-finding and diagnosing techniques.				■	■	■					■			■		
LSTIS501A	Distribution feeder protection schemes	**T2.11.53**	Protection schems							■	■	■		■			■		
		T2.11.59	Generator control systems - EHV							■	■	■		■					
LSTIS530A	Being written by Western Power.	**T2.11.62**	Preparing polices and procedures													■	■		