CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

MARK SCHEME for the October/November 2015 series

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/02 Paper 2 (Practical Test A), maximum raw mark 80

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2015 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.



Page 2	Mark Scheme	Syllabus	Paper
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Name and candidate number

1 cm column spacing

Centre number

Header – name and candidate number left aligned, Centre number right aligned

1 mark

Company information release

Details presented by: Candidate

SKKDSA is an engineering company specialism

en ering. It is a multi-disciplinary con Subtitle data entry as stated, left aligned 1 mark

18 pt sans-serif & italic

1 mark

1 mark

The company offers

Title data entry as stated, right aligned 1 mark 24 pt. sans-serif & underlined 1 mark

Economic and Feasibility Studies

Section break placed correctly. Two columns, continuous same page 1 mark

1 mark

engineering projects. analysis and design

unrough to imprementation, construction and testing.

Staff expertise

The company has, at pres staff of over 75 engineers, designers civil/structural. draftsm and process/mechanical, ele

designers and draughts

Subheads identified, 14 pt. sans-serif. bold, and centre aligned

construction management departments are experienced in an aspects of industrial facility design and construction.

Project Management

Projects include municipal water and waste treatment facilities, desalination plants for sea and brackish water as well surface as water

treatment,

handling an

07/10/2015

Automated date left aligned New filename in software format right aligned 1 mark Full file path

1 mark 1 mark Conceptual and Preliminary Design

- Construction Specifications and Bid Contractor **Evaluation**
- Conceptual Engineering and Estimating
- Plannand Scheduling
- Preliminary atailed Design
- Equipment Specifica.
- Equipment and

Bullets applied to list Environmental A

1 mark Square shaped bullets 1 mark Single line space, no space between 1 mark

Start-up Assista

Project and Construction Cost Estimating

- **Construction Management**
- Inspection/QA/QC
- **Operator Training**

Image placed correctly with text wrapped 1 mark hd Aligned top of text and right margin 1 mark Resized to fill half column with aspect ratio maintained 1 mark

They can design and mistan desammation plants, treatment plants, pineline and numning stations for notable. irrigation, sewage be Body text as diverse as oil re 14 point serif 1 mark ems 1 mark

aboard ships.

Fully justified, single line space

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Page 3	Mark Scheme	Syllabus	Paper
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Name and candidate number

Centre number

Instrumentation and Electrical Departments

Their instrumentation and electrical departments, which they

Two spelling errors corrected 1 mark and most technically pronicient groups, nave specianseum solving the industrial clients such technically Text added as stated 1 mark companies from drilling Correct year 2011 identified 1 mark

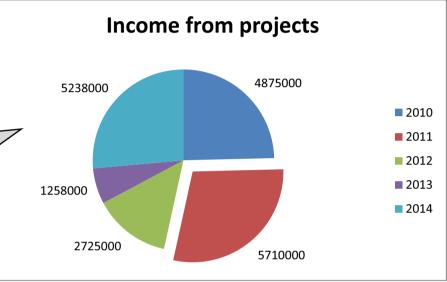
gas processing. They are deeply involved in attending to clients' "emergency codes" as well as continuing their

attenti Chart create from correct data 1 mark Many Segments labelled with Commission values only 1 mark instru Legend shows years 1 mark Title correct as stated backs 1 mark Highest Commission segment withdrawn/emphasised 1 mark servi In correct place in document Engii within column: not distorted 1 mark

engineering firms.

in-hol

The chart shows income generated from projects (and includes projected income from on-going work): The chart shows that the best year was 2011.

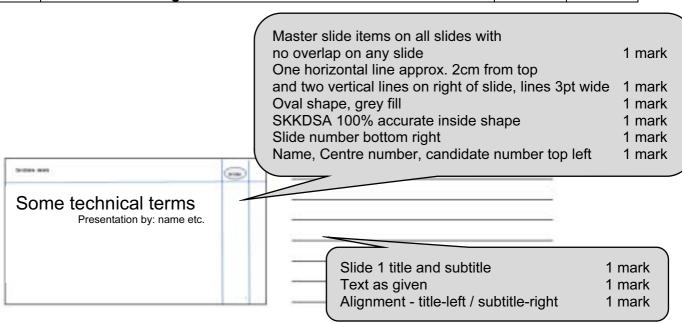


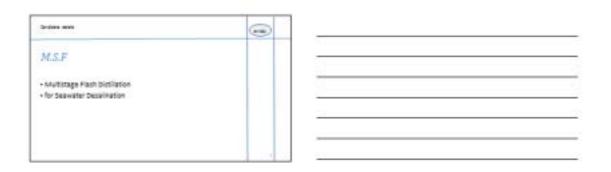
Proof reading
No widows / orphans, no split lists 1 mark
Consistent paragraph spacing 1 mark
Document complete, with no blank pages 1 mark

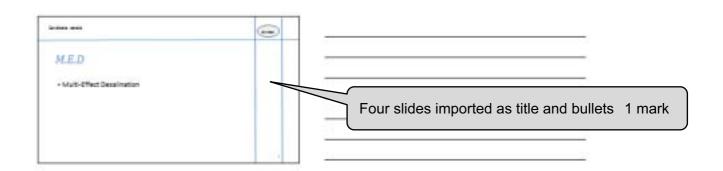
		Page 4	Mar	k Scheme		Syllabus	Paper]	
			Cambridge IGCSE -	October/Novemb	er 2015	0417	02		
On-go	ing pro	pjects	title as stated 1 mai	rk All fie	elds displayed, data	a and labels	all fully vis	sible 1 ma	ark
Country	Code	Client	Location	Process	Capacity	Cost		Year	Completed
France	SKA118	Saint Nazaire Shipyard	Queen Mary II	MED Steam	3 unit each 650m3,	/day €120	,000.00	2014	No
Germany	SKA122	EC	<mark>Hamburg</mark>	<mark>WTP</mark>	<mark>350</mark>	<mark>€455</mark>	<mark>,000.00</mark>	<mark>2014</mark>	No.
Germany	SKA121	Meyer Shipyard	Norwegian Dawn	MED Steam	3 unit each 750m3,	/day €135	,000.00	2014	No
KSA	SKA106	HM	Jeddah	SWRO	200 Search Com	nnlatad is Na	n 1	mark	No
KSA	SKA105	MC	Yanbu	Desalination Plant	750 Scarcii 5011	ipicica is ive	, ı	THAIR	No
Mexico	SKA124	<mark>HVP</mark>	Puerto Vallarta	<mark>WTP</mark>	<mark>500</mark>	<mark>€650</mark>	<mark>,000.00</mark>	<mark>2014</mark>	<mark>No</mark>
<mark>Spain</mark>	SKA123	<mark>JHD</mark>	Elche Elche	<mark>WTP</mark>	<mark>350</mark>	<mark>€455</mark>	<mark>,000.00</mark>	<mark>2014</mark>	No.
Spain	SKA115	JHD	Elche	WTP	350	£/155	000.00	2013	No
Spain	SKA112	DJJM	Almeria	WTP	3 Three new red	ords added	as stated	3 marks	No
Spain 🚤	SKA110	DJM	Cartagena	RO	56		,		J No
•	ntre number	Sorted Country ascendand and eft below report 1 ma	rk Orientati	ion landscape page wide 1 mai		Curre	nt projects prate	10 1 mark	

Page 5	Mark Scheme				Syllabus	Paper		
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Project	Projects since 2010 Report title as stated 1 mark Candidate details							
Code	Client	Country F	rocess	Year	Comple	ted	Commiss	ion
SKA095		Germany	WTP	2010	Yes		€91,000	.00
SKA096		Mexico	RO	2010	Nama C	`antra mnak		a di data
SKA097		Mexico	RO	2010	•	Centre numb top right of		
SKA	_			2010		top right of		Hark
	ginal fields displaye		1 mark	2010	Yes		€234,000	.00
SKA 6 ori	ginal fields, data an	d labels all visible	1 mark	2010	Yes		€1 30,000	.00
SKA107	Community	Germany	MVC	2011	Yes		30,000	.00
SKA117	Meyer Shipyard	Germany	viED Steam	2011	Yes	,	/ 16,000	.00
SKA101	HID		RO	2011	Yes	/	78,000	.00
S Select	Completed is Yes	1 mark	RO	2011	Yes		78,000	.00
S Date is	>2009	1 mark	RO /	2011	Yes		78,000	.00
SKA103	HVP	Mexico	RO //	2011	Yes		80,000	.00
SKA109	NCDP	Egypt	MV	2012	Yes		13,400	.00
SKA108	Community	Germany		2012	Yes		7,800	.00
SKA119	Meyer Shipyard	Germany	MED Steam	2012	Yes	_/	9,000	.00
SKA111	DAB	Spain /	New field C	ommiss	ion posit	ioned on rig	ght 1 mar	k)
SKA120	Meyer Shipyard	Germa	Calculated				1 mar	
SKA113	Cubiglas	Sp	Formatted	Euros wit	h 2dp		1 marl	k]
SKA114	DAB		RO	2013	Yes		€1,300	.00
SKA116	AED	<u>/n</u>	RO	2013	Yes		€15,600	.00
	•	I mark I mark	Commissio	on earned	from proje	ects	€1,469,900 1	.00
Orientation	on portrait 1 mar	k C						
	1	Calcu	lated value of				1 mark	
			d below Comm ros with 2dp	IISSION CO	numn and	iormatted	1 mark	
			100% accurate	e and pla	ced to lef	t	1 mark	

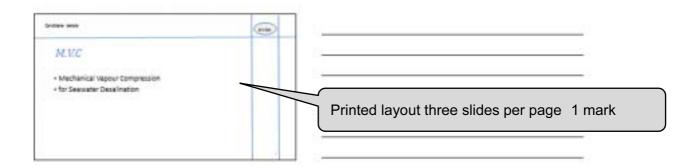
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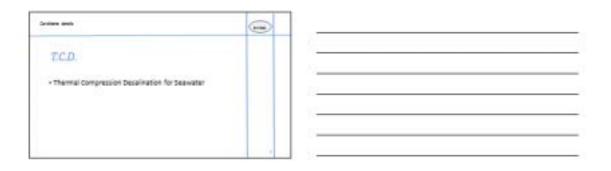






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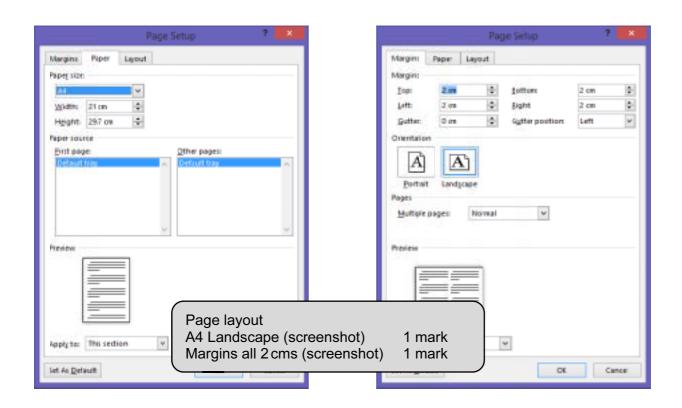




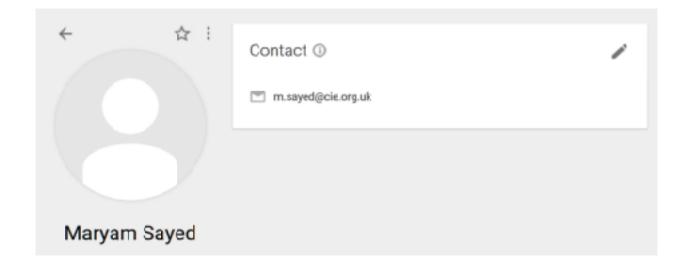


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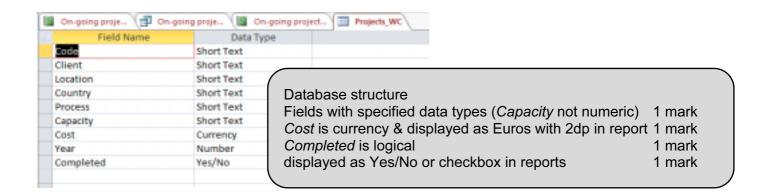
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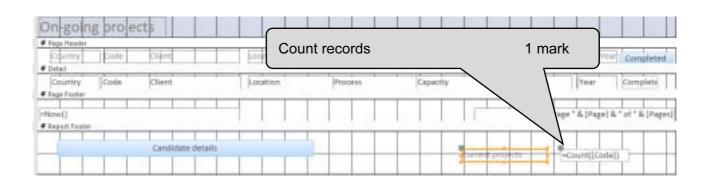


New contact
Maryam Sayed m.sayed@cie.org.uk 1 mark



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Subject Company profile 1 mark
Report only attached file 1 mark
Name, Centre No & candidate no with
Please approve this first draft of the report. 1 mark