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**INFORMATION TECHNOLOGY**

**9626/02**

Paper 2 Practical

**March 2018**

MARK SCHEME

Maximum Mark: 110

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**Published**

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 International will not enter into discussions about these mark schemes.

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This document consists of **8** printed pages.

**Generic Marking Principles**

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

**GENERIC MARKING PRINCIPLE 1:**

Marks must be awarded in line with:

the specific content of the mark scheme or the generic level descriptors for the question  
the specific skills defined in the mark scheme or in the generic level descriptors for the question  
the standard of response required by a candidate as exemplified by the standardisation scripts.

**GENERIC MARKING PRINCIPLE 2:**

Marks awarded are always **whole marks** (not half marks, or other fractions).

**GENERIC MARKING PRINCIPLE 3:**

Marks must be awarded **positively**:

marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate  
marks are awarded when candidates clearly demonstrate what they know and can do  
marks are not deducted for errors  
marks are not deducted for omissions  
answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

**GENERIC MARKING PRINCIPLE 4:**

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

**GENERIC MARKING PRINCIPLE 5:**

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

**GENERIC MARKING PRINCIPLE 6:**

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

**Evidence document**

**Evidence 1**

- One case error on terminal B 1 mark
- ...not critical as data would still be meaningful 1 mark
- ...although not professional 1 mark
- Error in cell B4 says Terminal D not C 1 mark
- ...this is a critical error as incorrect data would be returned 1 mark

	A	B	C
1	Destination code	Destination	
2	A	Terminal A	
3	B	Terminal B	
4	C	Terminal C	
5	D	Terminal D	
6	F	Terminal F	
7	W	West terminal	
8	T	Tower	
9	X	Security headquarters	

Both errors corrected  
 case on Terminal and 2 x Terminal C 1 mark

Function	AVERAGEIF( )	1 mark
	\$\$14:\$E\$902	1 mark
	Absolute cell referencing or named range used	1 mark
	,A3	1 mark
	Relative cell reference	1 mark
	,\$F\$14:\$F\$902)	1 mark
	Absolute cell referencing or named range used	1 mark
Error trap	=IF( )	1 mark
	ISERROR( )	1 mark
	AVERAGEIF(\$E\$14:\$E\$902,A3,\$F\$14:\$F\$902) allow f/t	1 mark
	," "	1 mark
	,AVERAGEIF(\$E\$14:\$E\$902,A3,\$F\$14:\$F\$902) allow f/t	1 mark
	Replication correct for all Mean delay	1 mark

**Evidence 2**

	A	B
1	<b>Analysis by destination</b>	
2	<b>Destination</b>	<b>Mean delay</b>
3	Terminal A	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A3,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A3,\$F\$14:\$F\$902))
4	Terminal B	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A4,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A4,\$F\$14:\$F\$902))
5	Terminal C	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A5,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A5,\$F\$14:\$F\$902))
6	Terminal D	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A6,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A6,\$F\$14:\$F\$902))
7	Terminal F	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A7,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A7,\$F\$14:\$F\$902))
8	Tower	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A8,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A8,\$F\$14:\$F\$902))
9	West Terminal	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A9,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A9,\$F\$14:\$F\$902))
10	Security Headquarters	=IF(ISERROR(AVERAGEIF(\$E\$14:\$E\$902,A10,\$F\$14:\$F\$902)),0,AVERAGEIF(\$E\$14:\$E\$902,A10,\$F\$14:\$F\$902))

Date	DATE ( )	1 mark
	MID ( )	1 mark
	A14	1 mark
	,5	1 mark
	,2	1 mark
	+100	1 mark
	,MID ( )	1 mark
	A14	1 mark
	,3	1 mark
	,2	1 mark
	,LEFT ( )	1 mark
	A14,2	1 mark

	D	E
13	Date	Destination
14	=DATE(MID(A14,5,2)+100,MID(A14,3,2),LEFT(A14,2))	=VLOOKUP(MID(A14,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
15	=DATE(MID(A15,5,2)+100,MID(A15,3,2),LEFT(A15,2))	=VLOOKUP(MID(A15,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
16	=DATE(MID(A16,5,2)+100,MID(A16,3,2),LEFT(A16,2))	=VLOOKUP(MID(A16,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
17	=DATE(MID(A17,5,2)+100,MID(A17,3,2),LEFT(A17,2))	=VLOOKUP(MID(A17,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
18	=DATE(MID(A18,5,2)+100,MID(A18,3,2),LEFT(A18,2))	=VLOOKUP(MID(A18,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
19	=DATE(MID(A19,5,2)+100,MID(A19,3,2),LEFT(A19,2))	=VLOOKUP(MID(A19,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
20	=DATE(MID(A20,5,2)+100,MID(A20,3,2),LEFT(A20,2))	=VLOOKUP(MID(A20,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
21	=DATE(MID(A21,5,2)+100,MID(A21,3,2),LEFT(A21,2))	=VLOOKUP(MID(A21,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
22	=DATE(MID(A22,5,2)+100,MID(A22,3,2),LEFT(A22,2))	=VLOOKUP(MID(A22,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
23	=DATE(MID(A23,5,2)+100,MID(A23,3,2),LEFT(A23,2))	=VLOOKUP(MID(A23,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
24	=DATE(MID(A24,5,2)+100,MID(A24,3,2),LEFT(A24,2))	=VLOOKUP(MID(A24,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
25	=DATE(MID(A25,5,2)+100,MID(A25,3,2),LEFT(A25,2))	=VLOOKUP(MID(A25,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
26	=DATE(MID(A26,5,2)+100,MID(A26,3,2),LEFT(A26,2))	=VLOOKUP(MID(A26,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
27	=DATE(MID(A27,5,2)+100,MID(A27,3,2),LEFT(A27,2))	=VLOOKUP(MID(A27,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
28	=DATE(MID(A28,5,2)+100,MID(A28,3,2),LEFT(A28,2))	=VLOOKUP(MID(A28,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
29	=DATE(MID(A29,5,2)+100,MID(A29,3,2),LEFT(A29,2))	=VLOOKUP(MID(A29,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)
30	=DATE(MID(A30,5,2)+100,MID(A30,3,2),LEFT(A30,2))	=VLOOKUP(MID(A30,11,1),'D:\CIE\9626\2018_03_9626_02\Worked\Dest_worked.xlsx Dest_worked!\$A\$2:\$B\$9,2,FALSE)

Destination =VLOOKUP ( )	1 mark
MID(A14	1 mark
,11	1 mark
,1)	1 mark
,filename.xlsx!\$A\$2:\$B\$9 (file name will differ)	1 mark
,2	1 mark
,FALSE)	1 mark

Late =IF( ) 1 mark  
 C14<B14 1 mark  
 ,0, 1 mark  
 C14-B14 1 mark

Minutes =F14 1 mark  
 \*1440 1 mark

	F	G	H	I
13	Late	Minutes	Passengers	Late >5
14	=IF(C14<B14,0,C14-B14)	=F14*1440	=VLOOKUP(1*MID(A14,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G14>5,"Y","")
15	=IF(C15<B15,0,C15-B15)	=F15*1440	=VLOOKUP(1*MID(A15,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G15>5,"Y","")
16	=IF(C16<B16,0,C16-B16)	=F16*1440	=VLOOKUP(1*MID(A16,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G16>5,"Y","")
17	=IF(C17<B17,0,C17-B17)	=F17*1440	=VLOOKUP(1*MID(A17,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G17>5,"Y","")
18	=IF(C18<B18,0,C18-B18)	=F18*1440	=VLOOKUP(1*MID(A18,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G18>5,"Y","")
19	=IF(C19<B19,0,C19-B19)	=F19*1440	=VLOOKUP(1*MID(A19,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G19>5,"Y","")
20	=IF(C20<B20,0,C20-B20)	=F20*1440	=VLOOKUP(1*MID(A20,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G20>5,"Y","")
21	=IF(C21<B21,0,C21-B21)	=F21*1440	=VLOOKUP(1*MID(A21,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G21>5,"Y","")
22	=IF(C22<B22,0,C22-B22)	=F22*1440	=VLOOKUP(1*MID(A22,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G22>5,"Y","")
23	=IF(C23<B23,0,C23-B23)	=F23*1440	=VLOOKUP(1*MID(A23,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G23>5,"Y","")
24	=IF(C24<B24,0,C24-B24)	=F24*1440	=VLOOKUP(1*MID(A24,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G24>5,"Y","")
25	=IF(C25<B25,0,C25-B25)	=F25*1440	=VLOOKUP(1*MID(A25,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G25>5,"Y","")
26	=IF(C26<B26,0,C26-B26)	=F26*1440	=VLOOKUP(1*MID(A26,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G26>5,"Y","")
27	=IF(C27<B27,0,C27-B27)	=F27*1440	=VLOOKUP(1*MID(A27,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G27>5,"Y","")
28	=IF(C28<B28,0,C28-B28)	=F28*1440	=VLOOKUP(1*MID(A28,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G28>5,"Y","")
29	=IF(C29<B29,0,C29-B29)	=F29*1440	=VLOOKUP(1*MID(A29,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G29>5,"Y","")
30	=IF(C30<B30,0,C30-B30)	=F30*1440	=VLOOKUP(1*MID(A30,9,1), D:\CIE\9626\2018_03_9626_02\SP\M18Seats.csv M18Seats!\$A\$2:\$B\$10,2,FALSE)	=IF(G30>5,"Y","")

Passengers =VLOOKUP( ) 1 mark  
 1\* or alt operation for string to number 1 mark  
 MID(A14,9,1) 1 mark  
 , M18Seats.csv!\$A\$2:\$B\$10 1 mark  
 ,2 1 mark  
 ,FALSE 1 mark  
 All formulae replicated 1 mark

New row inserted between 1 and 2 1 mark  
 Correct text entry in cells A2 to B2 and fully visible 1 mark  
 Rows 1, 2, 12 and 13 only bold 1 mark  
 Rows 1, 2, 12 and 13 only centre aligned 1 mark  
 Date column formatted as dd/mm/yyyy 1 mark  
 Due, Arrived and Late columns all times in hh:mm format 1 mark  
 Mean delay column formatted as hh:mm:ss 1 mark  
 Minutes and Passengers formatted as Integer 1 mark

**Evidence 3**

Analysis by destination		Mean delay					
Destination	Mean delay						
Terminal A	00:03:28						
Terminal B	00:03:48						
Terminal C	00:03:21						
Terminal D	00:03:38						
Terminal F	00:03:26						
Tower	00:03:27						
West Terminal	00:03:13						
Security Headquarters	00:01:43						
Journeys							
Bus Code	Due	Arrived	Date	Destination	Late	Minutes	Passengers
1401182610X114	09:00	08:58	14/01/2018	Security headquarters	00:00	0	12
1401182610T102	09:56	09:58	14/01/2018	Tower	00:02	2	12
1401182610A114	09:11	09:20	14/01/2018	Terminal A	00:09	9	12
1401182610A125	09:41	09:47	14/01/2018	Terminal A	00:06	6	12
1401182610A135	11:27	11:31	14/01/2018	Terminal A	00:04	4	12
1401182610A155	12:05	12:03	14/01/2018	Terminal A	00:00	0	12

**Evidence 4**

- Destination names as row headings 1 mark
- Dates as column headings 1 mark
- Sum as mathematical operation 1 mark
- Correct sum values 1 mark
- Correct totals for each date 1 mark
- No totals for each destination 1 mark

**Analysis of late buses for 14<sup>th</sup> to 20<sup>th</sup> January 2018**

Total number of minutes late for each destination on each date.

Destination	14/01/2018	15/01/2018	16/01/2018	17/01/2018	18/01/2018	19/01/2018	20/01/2018
Security Headquarters	0	7	4	0	1	0	0
Terminal A	47	61	38	73	54	74	88
Terminal B	27	42	34	51	23	42	47
Terminal C	52	57	57	28	60	58	63
Terminal D	45	48	75	44	70	63	62
Terminal F	199	203	210	156	212	214	179
West Terminal	35	28	57	28	13	27	60
Daily Total	405	444	472	382	433	476	459

Chart to show the average delay time to each destination



Report prepared by A Candidate 22999 9999

- Appropriate chart type 1 mark
- Appropriate chart title 1 mark
- Appropriate axis titles 1 mark
- Correct values 1 mark
- Value axis intervals set to increments of 1 minute/ 30 seconds 1 mark

- Appropriate report title 1 mark
- Includes chart and pivot table 1 mark
- Single portrait page with professional look 1 mark
- Gridlines visible 1 mark
- Name and Candidate details in the footer 1 mark
- Exported as pdf 1 mark



**Evidence 5**

New worksheet created from the extract 1 mark  
 Driver ID =MID( ) 1 mark  
 A47,12,2) 1 mark  
 \*1 or alt method to turn data into numeric 1 mark

Driver ID	Driver Name
=MID(A47,12,2)*1	=VLOOKUP(A47,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P047,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A48,12,2)*1	=VLOOKUP(A48,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P048,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A49,12,2)*1	=VLOOKUP(A49,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P049,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A50,12,2)*1	=VLOOKUP(A50,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P050,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A51,12,2)*1	=VLOOKUP(A51,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P051,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A52,12,2)*1	=VLOOKUP(A52,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P052,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A53,12,2)*1	=VLOOKUP(A53,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P053,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A54,12,2)*1	=VLOOKUP(A54,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P054,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A55,12,2)*1	=VLOOKUP(A55,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P055,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A56,12,2)*1	=VLOOKUP(A56,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P056,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A57,12,2)*1	=VLOOKUP(A57,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P057,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A58,12,2)*1	=VLOOKUP(A58,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P058,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A59,12,2)*1	=VLOOKUP(A59,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P059,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A60,12,2)*1	=VLOOKUP(A60,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P060,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A61,12,2)*1	=VLOOKUP(A61,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P061,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)
=MID(A62,12,2)*1	=VLOOKUP(A62,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,3,FALSE)*"&A1000.P062,"D:\C:\Users\2018_03_0626_0315P\M18Driver.csv!M18Driver!\$A\$2:\$D\$41,A,FALSE)

Driver name =VLOOKUP( ) 1 mark  
 J47, or alternative address for driver ID 1 mark  
 M18Driver.csv 1 mark  
 !\$A\$2:\$D\$41 1 mark  
 Absolute referencing 1 mark  
 ,3 1 mark  
 ,FALSE 1 mark  
 "&" "& or alternative use of concatenate with space 1 mark  
 VLOOKUP(J46,M18Driver.csv!\$A\$2:\$D\$41,4,FALSE) 1 mark  
 Replication – Driver name calculated for each journey 1 mark

2nd table created in spreadsheet (not csv)... 1 mark  
 ... with driver names set to left 1 mark

	A	B	C	D	E	F
6	75	Part Time	Karl	Roth	=C6&"&D6	=COUNTIFS(\$K\$47:\$K\$935,E6,\$G\$47:\$G\$935,0)
7	39	Full Time	Holly	Jenkinson	=C7&"&D7	=COUNTIFS(\$K\$47:\$K\$935,E7,\$G\$47:\$G\$935,0)
8	73	Part Time	Gunther	Schmitt	=C8&"&D8	=COUNTIFS(\$K\$47:\$K\$935,E8,\$G\$47:\$G\$935,0)
9	87	Trainee	Juan	Suarez	=C9&"&D9	=COUNTIFS(\$K\$47:\$K\$935,E9,\$G\$47:\$G\$935,0)
10	21	Full Time	Friederike	Trommler	=C10&"&D10	=COUNTIFS(\$K\$47:\$K\$935,E10,\$G\$47:\$G\$935,0)
11	9	Full Time	Olga	Schneider	=C11&"&D11	=COUNTIFS(\$K\$47:\$K\$935,E11,\$G\$47:\$G\$935,0)
12	16	Full Time	Pat	Pushing	=C12&"&D12	=COUNTIFS(\$K\$47:\$K\$935,E12,\$G\$47:\$G\$935,0)
13	17	Full Time	Louis	Class	=C13&"&D13	=COUNTIFS(\$K\$47:\$K\$935,E13,\$G\$47:\$G\$935,0)
14	13	Full Time	Siddhairth	Gad	=C14&"&D14	=COUNTIFS(\$K\$47:\$K\$935,E14,\$G\$47:\$G\$935,0)
15	14	Full Time	Holly	Chase	=C15&"&D15	=COUNTIFS(\$K\$47:\$K\$935,E15,\$G\$47:\$G\$935,0)
16	15	Full Time	Peter	Kelly	=C16&"&D16	=COUNTIFS(\$K\$47:\$K\$935,E16,\$G\$47:\$G\$935,0)
17	10	Full Time	Peter	Perfection	=C17&"&D17	=COUNTIFS(\$K\$47:\$K\$935,E17,\$G\$47:\$G\$935,0)
18	18	Full Time	Kratka	Dhiman	=C18&"&D18	=COUNTIFS(\$K\$47:\$K\$935,E18,\$G\$47:\$G\$935,0)
27	20	Full Time	Fatima	Hegde	=C27&"&D27	=COUNTIFS(\$K\$47:\$K\$935,E27,\$G\$47:\$G\$935,0)
31	19	Full Time	Lydia	Blankinsop	=C31&"&D31	=COUNTIFS(\$K\$47:\$K\$935,E31,\$G\$47:\$G\$935,0)
33	12	Full Time	Eliot	Cotterill	=C33&"&D33	=COUNTIFS(\$K\$47:\$K\$935,E33,\$G\$47:\$G\$935,0)
40	11	Full Time	Tomas	Jacobs	=C40&"&D40	=COUNTIFS(\$K\$47:\$K\$935,E40,\$G\$47:\$G\$935,0)

=COUNTIFS( ) 1 mark  
 Two conditions in function 1 mark  
 \$K\$47:\$K\$934 or similar range depending on layout 1 mark  
 ,E5 or similar reference to driver name 1 mark  
 ,G\$47:\$G\$934 or similar range depending on layout 1 mark  
 ,0 reference to 0 minutes late 1 mark

Appropriate title with candidate details	1 mark
Layout as shown including column alignments	1 mark
Data sorted into ascending order of on-time or early journeys	1 mark
Correct results	1 mark
Exported as Driver_ZZ999_9999.rtf	1 mark
The name of this week's best driver is: Tomas Jacobs	1 mark

**Evidence 6****Drivers with fewest delays for this week**

<b>Driver</b>	<b>Number of journeys</b>
Karl Roth	2
Holly Jenkinson	2
Gunther Schmitt	3
Juan Suarez	4
Friederike Trommler	5
Olga Schneider	13
Pat Pushing	16
Louis Claes	17
Siddharth Gad	17
Holly Chase	18
Peter Kelly	23
Peter Perfection	23
Kratika Dhiman	23
Fatima Hegde	25
Lydia Blenkinsop	25
Elliot Cotterill	26
Tomas Jacobs	31

**The name of this week's best driver is: Tomas Jacobs**

**Evidence 7**

A formula can contain a mathematical operator (example: F4*)	1 mark
A formula can contain a function (example: IF or RANDBETWEEN)	1 mark
A function has a predefined name (example: IF or RANDBETWEEN)	1 mark
A function is a predefined operation built in spreadsheet (example: IF or RANDBETWEEN)	1 mark
A function has parameters passed to it, formula does not (example: condition>60)	1 mark
A function can contain decision making (example: different responses from IF condition)	1 mark