Marking Sheet

Work Student Name

Marker Student Name

⚠ **Important**   Read items' description *and* associated footnotes carefully.

Link Layer (18 marks)

Item/Functionality	Mark Value	Achieved[1]	Prop. Mark[2]	Feedback[2]
(A1) The Financial Service network is present with all required devices properly connected.[3]	2			
(A2) The IT Service network is present with and all required devices properly connected.[3]	3			
(A3) The Executive Office network is present with all required devices (including wireless) properly connected.[3]	3			
(A4) The Research Center and Experimentation Area networks are present with all their devices (including wireless) properly connected.[3]	4			
(A5) The interconnection network of routers is present and properly connected with maximum two routers between end-users networks in the Main Building.[3]	4			
(A6) All wireless connections are correctly secured and each wireless network is on a different and recommended channel.[3]	2			

Services and Documentation (10 marks)

Item/Functionality	Mark Value	Achieved[1]	Prop. Mark[2]	Feedback[2]
(B1) One IT Server is providing DNS resolution for the company domain and all the other devices are using it.[4]	3			
(B2) From any end-user computer in the company, I can open a browser and look at the company intranet with a customized default page.[4]	2			
(B3) Only necessary services activated on each server (concern only HTTP, FTP, DNS, DHCP).	1			
(B4) All devices, addresses and networks (including mask) are easily identified in the simulation without inspecting devices.	4			

[1]To be filled by the Work Student with 'Yes', 'Partial' or 'No'. This **MUST NOT** be modified by Marking Student.
[2]To be filled by the Marking Student **only**, justifying any removed marks or detailing checks done to validated this item in the feedback.
[3]This concerns only the **link layer** (type of devices, bandwidth requirements, ...). Extra devices are minor issues as long as the network is functional.
[4]Any issues making this fail due to the network layer problems should be reported in the next section and not here.

Network Layer (42 marks)

Item/Functionality	Mark Value	Achieved[5]	Prop. Mark[6]	Feedback[5]
(C1) I can ping between any computer attached to any switch and another computer attached to the same switch in the Main Building.	2			
(C2) I can ping between any device attached to any wireless access-point and another device attached to the same access-point in the Main Building.	2			
(C3) I can ping between any computer attached to a switch and any wireless device attached to the access-point in the Research Center.	2			
(C4) I can ping between any computer of a network (including wireless) and any computer of another network where both networks are attached to the same router.	3			
(C5) I can ping between any computer of a network and any computer of another network (including wireless) in the Main Building and packets never pass more than two routers in the simulation view. [7]	5			
(C6) I can ping between any computer of the Experimentation Area and any computer of the Research Center (including wireless).	3			
(C7) I can ping between any computer (including wireless) of the Experimentation Area or Research Center and any computer of the Financial Service or Executive Office (including wireless).[8]	3			
(C8) Computers in the Experimentation Area are configured automatically with a single server only connected to the router or with the NetServ server in IT.	4			
(C9) Only allowed private addresses are used and network masks are used smartly (correct size and aggregation possible at service and organisation level).	5			
(C10) Routing is only configured statically and smartly (minimum number of routes) in the Main Building.[8]	6			
(C11) Routing is configured only with a routing protocol in the Research Center and Experimentation Area.[9]	5			
(C12) A device has the last usable address in each end-users network except for the Experimentation Area.	2			

Received marking sheet 'Achieved' column filled   [5] and with pertinent value   [5]

Sent Packet Tracer file cannot be opened on QMB labs computers   [5]

Proposed Mark (max 70%)   %[5]

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[5]To be filled by the Work Student with 'Yes', 'Partial' or 'No'. This **MUST NOT** be modified by Marking Student.

[6]To be filled by the Marking Student **only**, justifying any removed marks or tests done to validated this item in the feedback.

[7]Note that a correct link layer configuration does not mean this cannot happen at the network layer level, so this has to be checked with travelling packets.

[8]If there is some automatic routing in the Main Building outwith IT or static routing in the Experimentation Area, this item cannot be assessed and should be marked 0.

[9]As the frontier between the automatic and static routing area can be either on the IT or research centre router, you can eventually have a **single** static route on the later.

Do not fill this page.

Moderation and Explanation (30 marks)

Item	Mark Value	Mark	Feedback
(D1) Explaining why ping are not always successful at first attempts	12		
(D2) Quality of the self-assessment[10]	3		
(D3) Quality of the feedback[11]	10		
(D4) Quality of the proposed marks[12]	5		
(D5) Penalties[13]			

Final Mark   % – Grade

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[10]This assess how truthfully the Work Student has filled the 'Achieved' column.

[11]This assess how the student identified as 'Work Student' has filled the 'Feedback' column in the marking sheet they marked (not this one thus).

[12]This assess how the student identified as 'Work Student' has filled the 'Proposed Mark' column in the marking sheet they marked (not this one thus).

[13]Non exhaustive list of possible penalties: wrong Packet Tracer version (-5), failing to send file to peer student in time (-5), wrong file names (-1), ...