



Revisions to ICT Provision Norms (CY2019 onwards)

INFORMATION TECHNOLOGY BRANCH

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A PRESENTATION BY
MINISTRY OF EDUCATION, SINGAPORE

Objective

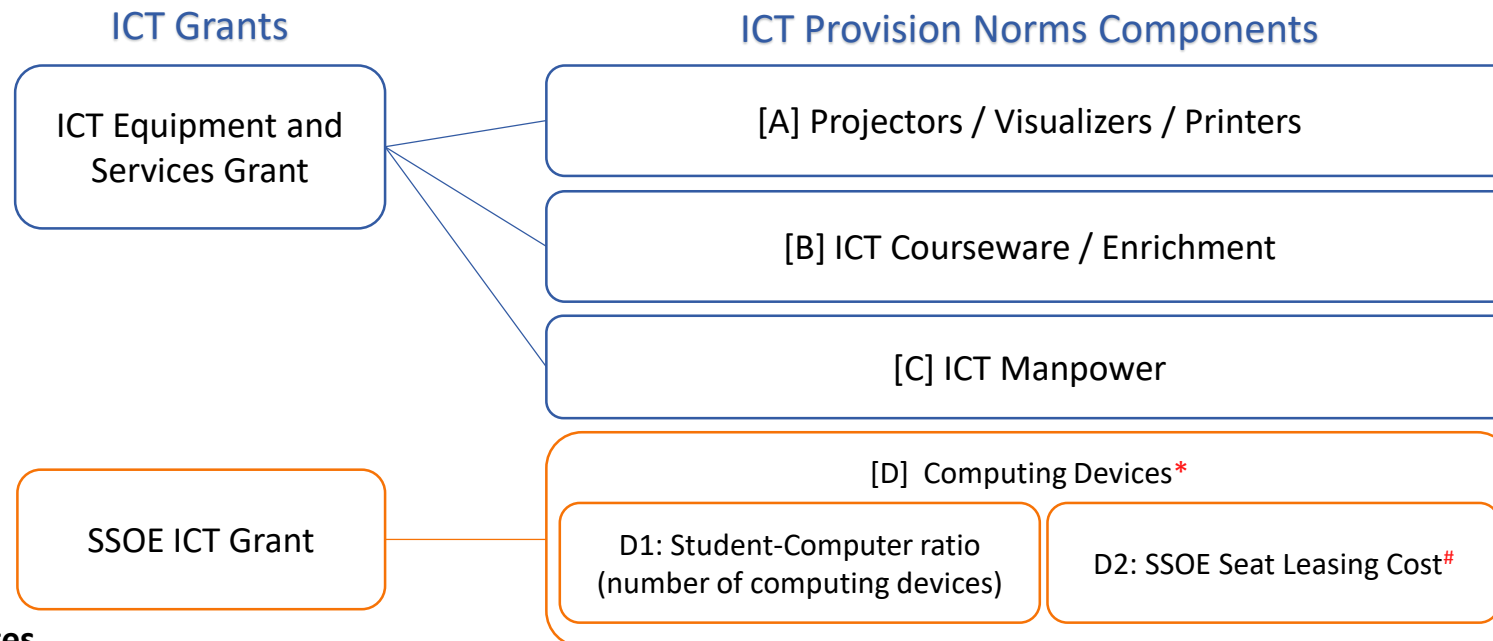
- ☐ To update schools on the ICT Provision Norms for 2019 onwards and how schools should budget for ICT related expenses moving forward.

Presentation Outline

- ☐ Background on Current ICT Provision Norms (2018)
- ☐ Revised ICT Provision Norms (CY2019 onwards)
- ☐ Feedback from HOD ICT Briefing
- ☐ Budgeting for ICT Related Expenses

Background on ICT Provision Norms

1. Under ICT Master Plan (mp4), the ICT Provision Norms were established as an enabler to implement ICT-based teaching and learning (T&L).
2. Schools currently receive 2 types of ICT Grants that support various components under the ICT provision norms.



Footnotes

*[D] Computer Device Provisions = (D1 + Staff Devices) x D2

SSOE Seat Leasing Cost = SSOE Service Cost + Device Leasing Cost

Common Ambiguities Today

Requirement Grouping	Which of these requirements should be considered ICT Related Expenses? (Can you explain why \ why not?)
AVA Equipment Requirements (Visual)	Projectors Smart TVs Digital monitor for information display Projector Screens Projector Lens Projector Bulb Projector Repair and Maintenance Apple TV Video Splitters Video Cables Projector Mounting and Dismounting Digital Cameras Webcam Camcorders etc
AVA Equipment Requirements (Audio)	Hi-fi set or Speakers to play Audio for Listening Comprehension Wall mounted speakers in classrooms Speakers or Microphones for Personal Voice Projection Speakers or Microphones for school hall
Printing Resources	3D Printer Managed Print Services Pay per Print Printer Purchase or Leasing Replaceable accessories (Ink Cartridges, Drums, Fuser unit Photocopier Purchase or Leasing Network Printer Purchase of Leasing Repair and Maintenance
T&L Resources	Tech Gadgets for innovative T&L practices (Drones Swivl etc) E-resources Printed Resources Portal Subscriptions (T&L Non-T&L) Special Software or Hardware requirements (Art Music DnT Robotics)

Need for Review

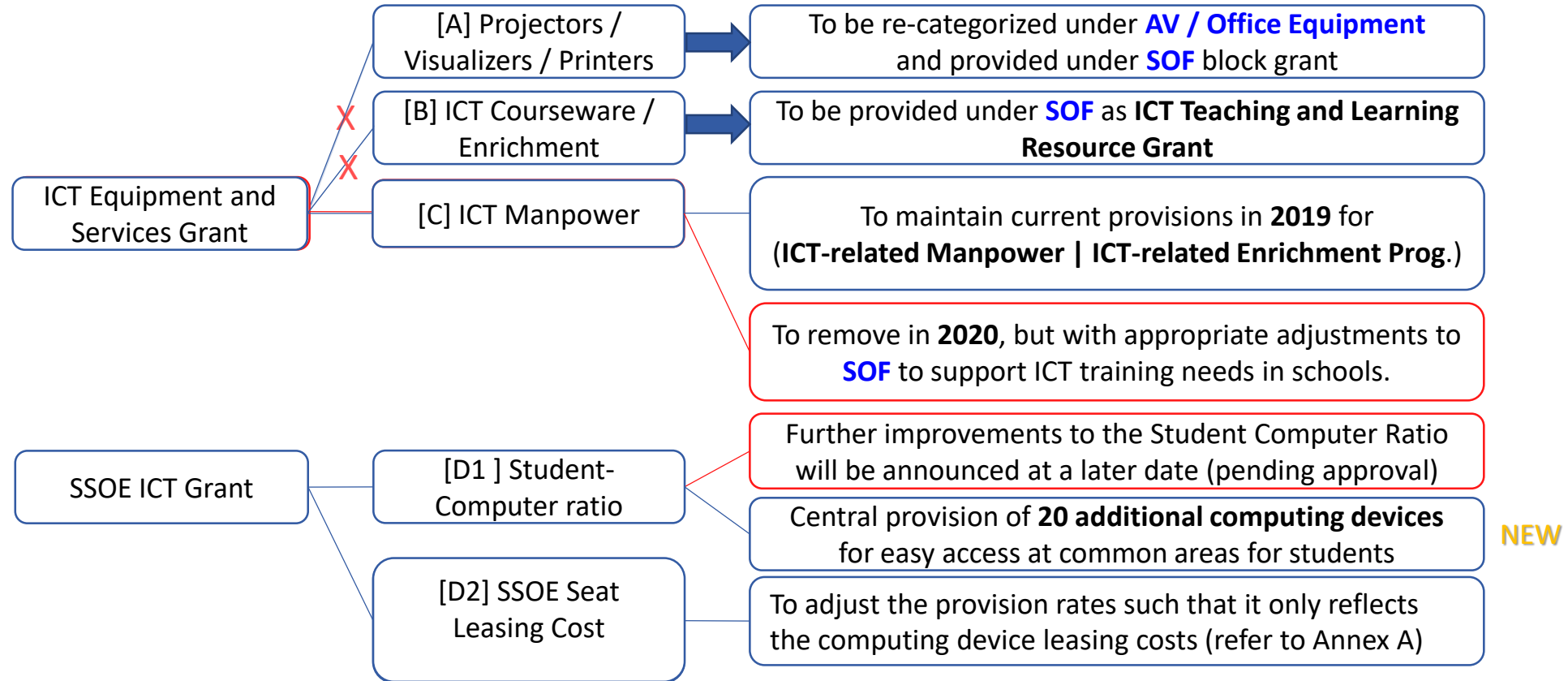
1. To align ICT provision norms with the **new and upcoming initiatives in schools**, for example:
 - a. Student Learning Space (SLS)
 - b. Schools Standard ICT Operating Environment 2 (SSOE2)
 - c. School Admin Applications | Parents Gateway (PG)
 - d. Plans to improve Student-Computer Ratio
2. To reduce administrative efforts in schools, through **central provisioning of general services** in MOE HQ.
(SLS | SSOE 2 | Admin Applications | ICT Managers)
3. To **streamline the management of ICT Grants**, for example:
 - a. Avoid having multiple sources of grants supporting similar expenditure categories
 - b. Proper categorization of expenditure types and ring fencing of grants for their intended purposes

ICT Provision Norms for CY19 onwards

ICT Grants

ICT Provision Norms Components

Changes



Legend

X No longer downloaded under ICT Grants

Transferred to other Grant

Items pending further review

Review Considerations

SN	ICT Provision Norms Component	Changes (CY 2019 onwards)	Considerations
A	Projectors / Visualizers / Printers	<ul style="list-style-type: none"> Projectors, Visualizers and Printers are re-categorized as Audio Visual (AV) and office Equipment respectively. 	<ul style="list-style-type: none"> The re-categorization aims to give schools better clarity on the rightful grant to use during annual budgeting exercises.
		<ul style="list-style-type: none"> The SOF block grant rates will be adjusted to include the provision of projectors, visualisers and printers. <p><i>For new and schools undergoing PRIME upgrading, the F&E development grant provided to schools will be sized accordingly to cover the start-up provision for these equipment.</i></p>	<ul style="list-style-type: none"> All AVA equipment and office equipment listed in the school building handbook will now be clearly catered for under F&E provisions
B	ICT Courseware / Enrichment Programmes	<ul style="list-style-type: none"> Provision will be adjusted downward for schools 	<ul style="list-style-type: none"> With Central initiatives like SLS, iMTL, parents' gateway and school admin applications, schools should see considerable savings as there would no longer be a need to outsource them.
		<ul style="list-style-type: none"> Provisions to be provided under SOF as ICT Teaching and Learning Resource Grant. 	<ul style="list-style-type: none"> This will allow schools to exercise more flexibility in allocating resources for ICT-based curriculum. The new SOF component is created to retain visibility of such provisions, and the provision will be reviewed annually.

Review Considerations

SN	ICT Provision Norms Component	Changes (CY 2019 onwards)	Considerations
C	ICT Manpower	<ul style="list-style-type: none"> There are no changes to ICT Manpower provisions for 2019. This is to allow time for ICT Managers to be deployed in all schools, and for schools to receive the TAs through SSOE 2 in 2019. 	<ul style="list-style-type: none"> Schools will receive separate manpower provisions (headcounts) for ICT Managers (Supplementary Pool) and Technical Assistants (under SSOE 2) to manage the some of the duties that are currently outsourced.
		<ul style="list-style-type: none"> ICT Manpower Provisions will be removed in 2020 with appropriate adjustment to SOF to cater for ICT Training needs in schools. 	<ul style="list-style-type: none"> General training requirements (including IT Training) in schools will be reviewed and streamlined by end 2019 to allow schools more flexibility in resource allocation for training requirements in schools.
D1	Student-Computer Ratio	<ul style="list-style-type: none"> Improvements to the 2019 student-computer ratio will be announced at a later date. 	
D2	SSOE Seat Leasing Cost (comprising	<ul style="list-style-type: none"> Schools will no longer need to manage the costs related to SSOE services; MOE will manage these costs centrally. Provision norms will therefore be adjusted downwards, while ensuring sufficient funding for schools to lease computing devices for staff and to meet the student-computer ratio. 	<ul style="list-style-type: none"> The changes will significantly reduce the admin overheads for schools and also relief them of some of the financial responsibility in terms of the school fund quantum that they need to manage. (an estimated reduction of 60%) Refer to Annex A for the SSOE 2 Leasing cost for Computing Devices

Impact on schools' overall provisions

- We would like to assure schools that the changes are not attempts to scale back on ICT resourcing. **MOE will continue to provide adequate ICT resourcing** to schools.
- Instead, the changes are meant as a recalibration of the overall ICT resourcing to take into account the **increasing provisions that MOE centrally supports**.
- In addition, MOE attempts to streamline some of the funding sources to ensure **schools have greater flexibilities in deploying its resources**.
- For 2018 year-end ICT Grant balances, schools will still continue to **carry-forward up to 50% of the 2018 allocation** to the respective grant accounts in 2019.

Impact on schools' overall provisions

To Date —————> Jan 2019 —————> Jan 2020 —————> Next Review

[A] Projectors / Visualizers / Printers

ICT Equipment and Services Grant

To be re-categorized under **AV / Office Equipment** and provided under **SOF** block grant

[B] ICT Courseware / Enrichment

ICT Equipment and Services Grant

To be provided under **SOF** as **ICT Teaching and Learning Resource Grant**

T&L Portals (SLS | iMTL | ELPortals etc.) / Admin Applications

[C] ICT Manpower

ICT Equipment and Services Grant **Ring-fenced**
(ICT Manpower | ICT enrichment)

SOF to be adjusted to include **ICT Training Needs**

ICT Managers / Desktop Engineers (SSOE2)

[D] Computing Devices

SSOE ICT Grant for Seat Leasing

SSOE ICT Grant for **Computing Device Leasing**

SSOE2 Infrastructure and Service Costs + **20 additional computing devices** for easy access in common areas **new**

Legend

Current Grant Provisions under ICT Grant

Revised Provisions

Central Provisions

Feedback from HOD ICTs

1. At the HOD ICT Briefing in Sept 2018, the HODs ICTs **generally welcomed the changes**, recognizing the improved flexibility for schools to budget for school programmes as well as reduced procurement effort required for common services that MOE centrally support.
2. However ITB also noted **concerns** from some schools **about potential ambiguities** between HOD ICTs and school admin team on:
 - a. Resource allocation
“If the ICT related components are subsumed into the SOF, will other departments tap onto my share of the resources for other purposes?”
 - b. Asset management
“Who should manage the equipment that are now re-categorized as AVA Equipment (Projectors / Visualizers) and Office Equipment (Printers)?”

Budgeting approach for ICT-Enabled School Programmes

1. Budgeting for ICT-Enabled School Programmes:
 - a. The streamlining efforts are meant **to provide schools with better flexibility** in terms of resource management.
 - b. **KP team** should work closely to identify and consolidate all budget requirements (ICT and non-ICT) across all school programmes
 - c. **AM** to work closely with KPs to ensure all approved school programmes are adequately resourced
 - d. Final approval should be given by the **School Leaders**.
2. Resource Allocation vs Programme Accountability:
 - a. Although the resourcing approach for certain programmes and intent have changed, **programme accountability is not affected**.
 - b. Schools have the autonomy to assign such accountability to the **most appropriate programme owner**.

Thank you



[D2] Leasing cost for Computing Device – Annex A

Device Configuration	SSOE Unit Monthly Rates	2019 SSOE2 Unit Monthly Rates	2020 (onwards) SSOE2 Unit Monthly Rates
Principal	\$148.91*	\$42.89*	\$42.89*
Vice-Principal	\$100.91*	\$42.89*	\$42.89*
Admin Laptop	\$100.25	\$42.89	\$42.89
Admin Desktop	\$85.16	\$25.95	\$25.95
Teachers (EOs, AEDs, CAJTs, FAJTs, Supplementary Pool)	\$93.91	\$42.46	\$42.46
Students Devices (With mobile carts)	\$90.16	\$40.09	\$28.60 [#]

* Exclude the funding for EMMS (iPads).

[#] Schools enjoy lower leasing costs for student devices under SSOE 2 Bulk Tender



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