
HKDSE Info & Com Tech

Public Assessment

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HKDSE ICT 2012 & 2013

Exam Administration



2012 Public Examination

- Paper 1 – Compulsory Part (55%; 2 hrs)
 - 40 M.C. Qu. & 5 conventional Qu.
- Paper 2 – Elective Part (25%; 1.5 hrs)
 - 4 conventional Qu.
 - 2A – Database
 - 2B – Data Communication & Networking
 - 2C – Multi. Pro. & Web Site Development
 - 2D – Software Development
- SBA – Project Assignment (20%)



2012 SBA (Assessment Criteria)

(1) Objective & Analysis	20
(2) Design & Implementation	25
(3) Practical ICT Skills	10
(4) Testing & Evaluation	10
(5) Conclusion & Discussion	10
(6) Documentation	10
(7) Creativity & Project Management	15



NEW in Assessment Criteria

- Three-tier performance bands
 - High, Middle, Low
- Practical ICT skills (10%)
 - Demonstrate practical ICT skills in different phases.
- Creativity & Project Management (15%)
 - Demonstrate the ability to manage the phases of the project assignment and produce original ideas, or to make something new or imaginative.

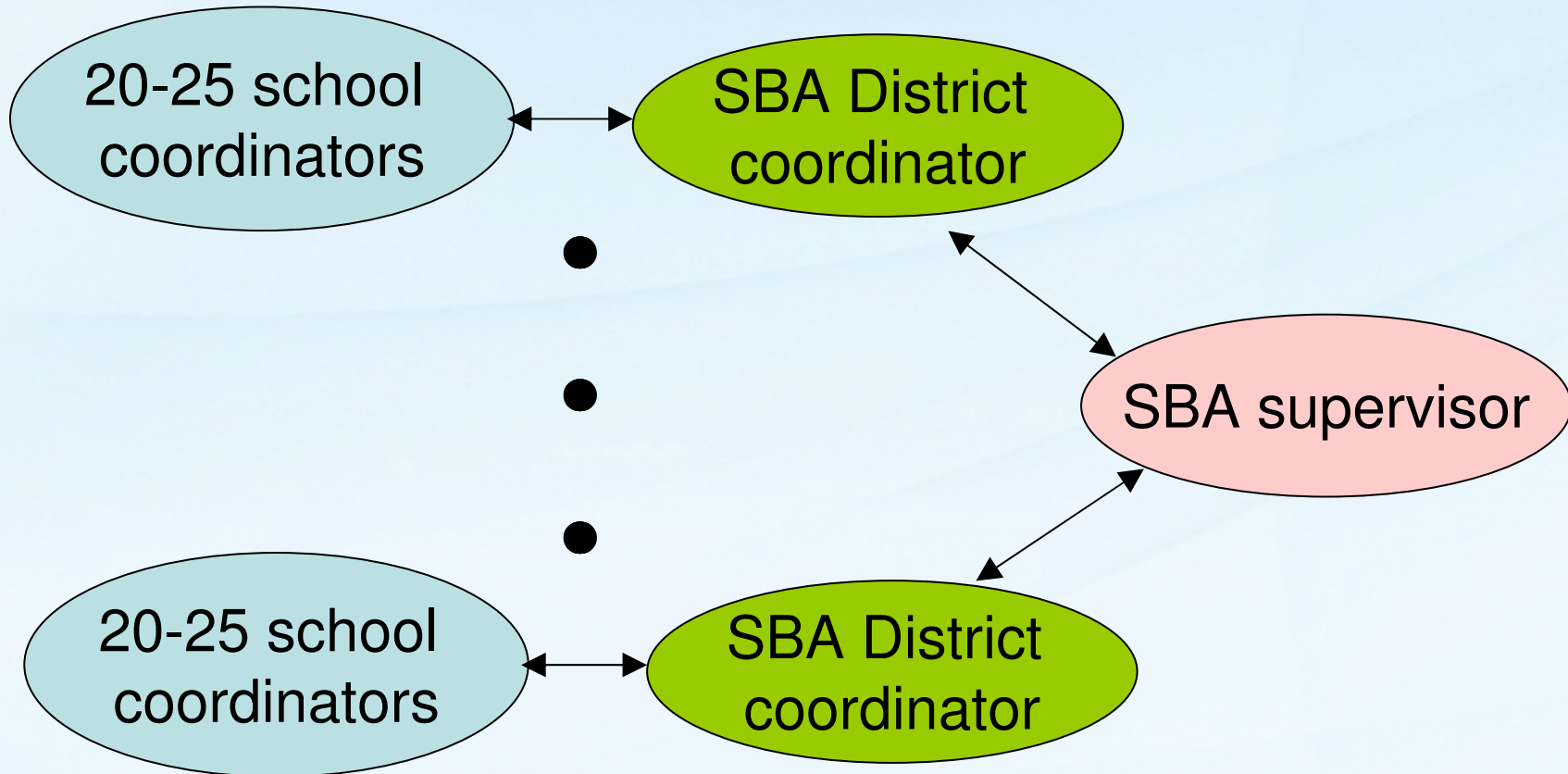


Use of Assessment Record

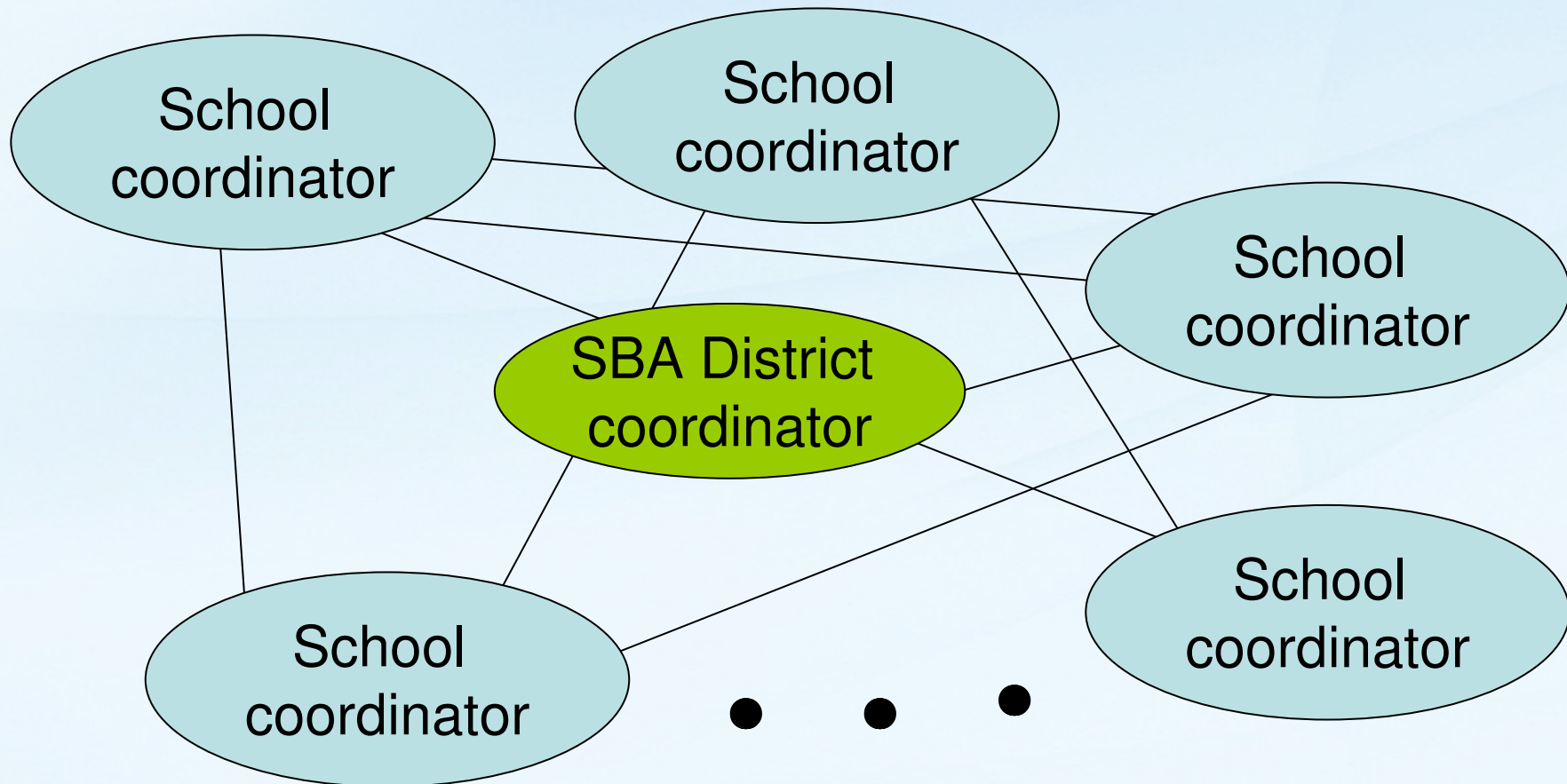
- The Assessment Record for SBA is a means to record *student performance*
- Every student MUST have the standard Assessment Record
- Giving students feedback
- Supplementary info to the assessment criteria only if necessary



SBA District Coordinators



A Circle of Support



Moderation on SBA



Why Moderation – Standardization between Schools

- Teachers know their students well and are best placed to judge their relative performance
- However, they may not be aware of the standards of performance across all schools
- Some schools may be harsher or more lenient in marking and/or use a narrower or wider mark range
- Standardization across schools to ensure fairness



Moderation Methods

- Statistical moderation with an element of expert judgment
Please note:
- Moderation to be conducted on school basis (not class-based/teacher-based)
- Therefore, within-school standardization of teachers' marking standard is necessary
- Queries about marking are dealt with by schools before mark submission



Statistical Moderation – Basic Principles

- In accordance with SBA School Leaders' and Teachers' Handbook:
 - Statistical moderation based on school exam results
 - Follow up with appropriate action for outliers identified
- Moderation based on exam results appropriate for most schools
- But adjustment based solely on exam results may not fully reflect students' actual SBA performance in some schools



Features of Statistical Moderation

- Internal ranking would not be changed
- The statistical moderation method would consider the empirical correlation between exam results and SBA results
- Suppose teachers tend to give high marks to their own students; under the moderation method, such an effect would be eliminated when calculating the moderated marks
- Sample review to help identify outlier schools
- For outlier schools, adjustment will be carried out, if necessary, by considering a number of factors, such as moderated marks based on exam results and sample review findings so as to reflect the actual SBA performance



Reasons for Collecting Samples of Students' Work

- Quality assurance for SBA
- Moderating SBA marks submitted by schools
- Securing international recognition of HKDSE
- Providing school-level feedback to schools



Sample Review

- Purpose of sample review in the moderation process:
 - Outlier detection
 - Identifying those schools where the standard of SBA work is significantly better/worse than their exam results suggested
 - **Stratified random sampling**
 - Random sampling:
 - Each student work in a school has a chance to be selected, which is a necessary condition for obtaining a representative sample (i.e., unbiased estimations)
 - Stratification:
 - Student works are divided into a number of strata, in each of which the performances of works are similar with each other (i.e., homogenous)
 - Some samples are selected from each stratum
 - Such an arrangement reduces sampling errors



Proposed Arrangements for Collecting Samples

- To be collected towards end of S6, after school submit the S6 SBA marks
- Six pieces of work representing students' performance across the whole ability range to be randomly selected based on schools' SBA marks, using stratified random sampling techniques
- Sample projects will be submitted **online**.
- If possible, request students to submit/retain their work in electronic format



The Way Forward

- SBA moderation booklet published by end of 2010, plus requirements on sample collection
- Provision of district coordinators (DCs) and other supports to schools
- Training provided to DCs to help standardize their standards in reviewing students' work



Summary of moderation

- Statistical Method with expert judgment (similar to current CECIT/ASCA/ALCS)
- 6 Stratified random samples @ school (submitted in Jan/Feb 2012)
- Samples scrutinized for
 - Teaching / Learning /Assessment issues
 - Further investigation



2013 SBA Teachers' Handbooks

- Requirements similar to 2012 Exam
- Subject to review in light of feedback from 2012 Exam
- Electronic version available in the HKEAA website in Dec 2010



2012 SBA Project Titles



Background

- School-based
- Tailor-made for students/teachers/schools
- Meet individuals' needs, interest, aptitude



Implementation

- HKEAA provides SBA Project titles for 2012 and 2013 exam
- Teachers are free to amend or increase the number of project titles; or just provide the standard project titles for the first two exam years



Project Titles

- Part 1: Requirements & expectation
- Part 2: Scenarios/info of the titles
- **SCOPE** of the project assignment
 - Students should well define it
 - Mainly assessed in “Objective & Analysis” (in S5)
 - Influence the whole project



Schedule of SBA Events (S5)

Oct 2010	Release of SBA titles (draft)
Nov 2010	Release of SBA titles
Dec 2010 – July 2011	Experience sharing on SBA in district
May 2011	Submit S5 SBA marks (Objective & Analysis 20%)
July 2011 – Oct 2011	School visits when necessary



Schedule of SBA Events (S6)

Oct 2011	SBA Teachers' seminar
Jan/Feb 2012	Submit S6 SBA marks
	Submit SBA sample projects
Mar 2012 – July 2012	School visits when necessary



Teacher Support



Resources for NSS ICT (Completed)

- Professional development courses (EDB)
- Curriculum & Assessment Guide
- *Standards-referenced Reporting Information Package (w/ sample papers) (Jun 09)*
- SBA Teachers' Handbook (Oct 09)
- SBA Training (June 2010)



Resources for NSS ICT (way forward 1)

- Professional development courses (EDB)
- Professional development courses (HKEAA)
 - Public Assessment-Management & Leadership Seminar (Today)
 - SBA Training (re-run) (Dec 2010; Jun/Jul 2011)



Resources for NSS ICT (way forward 2)

- SBA information package (HKU)
 - Completed by HKU in Q1 2011
- District coordinators for SBA (S5-S6)
- Practice papers (Jan 2012) *New!*
- Sample Questions

