



# Critical Infocomm Technology Resource Programme

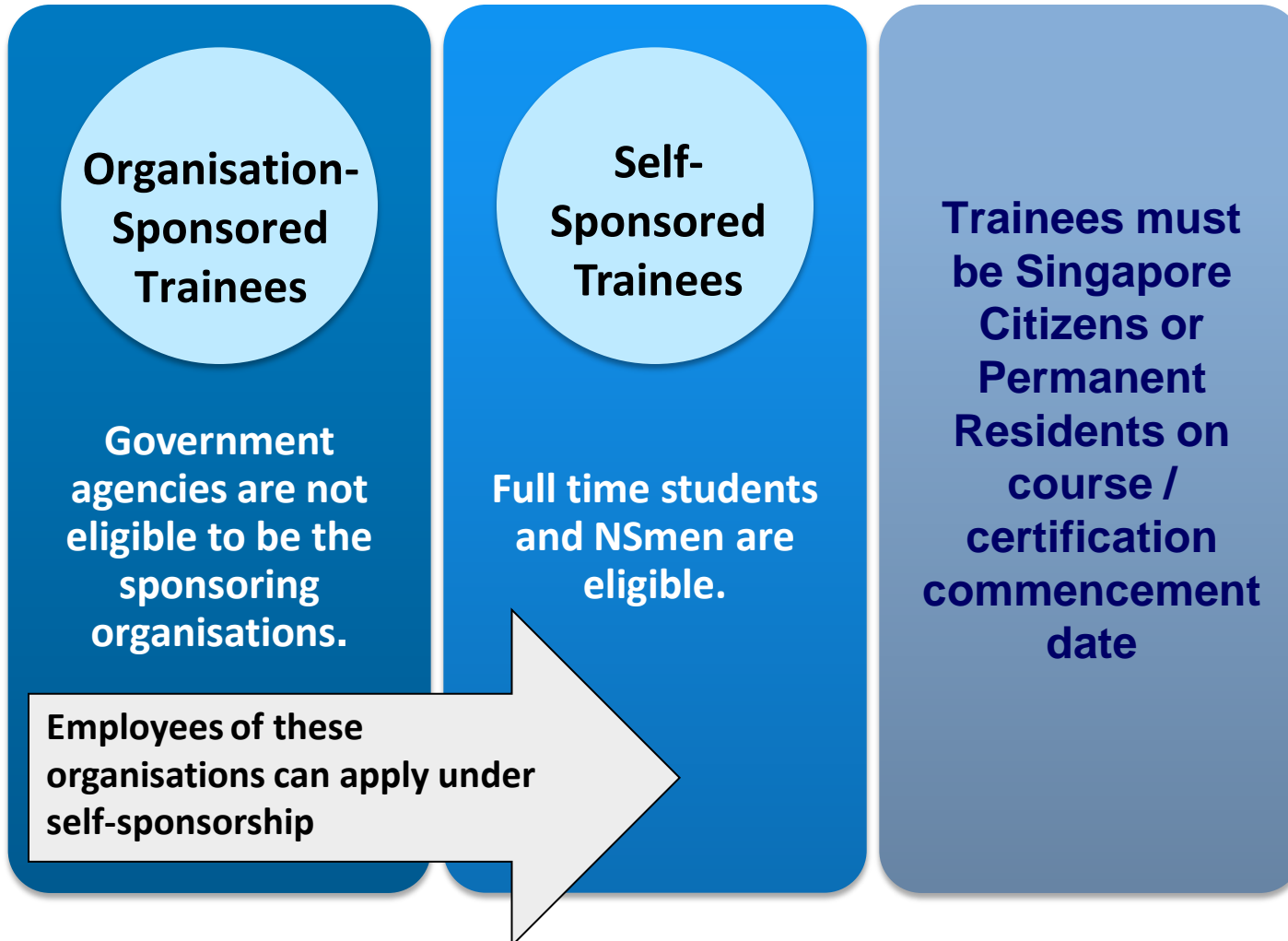
**[FY11-FY12: 1 April 2011 to 31 March 2013]**

**Updated: 21 July 2011**

## Agenda

- **Target Audience**
- **Supported Skill Areas**
- **Course/Certification Endorsement Criteria**
- **Funding Support**
- **Course/Certification Endorsement Application**
- **Course/Certification Workflow**
- **Claim Conditions**

# Target Audience



# Supported Skill Areas

## ■ Critical Infocomm Skills (Specialist & Above) : 5

### Data Integration & Information Management

- E.g. Database Administration & Management; Data Warehousing Technology

### IT Services & Business Management

- E.g. Project Management; Service & Quality Management; IT Outsourcing Management; Business Analysis; Change Management; Lean Transformation; Service Science; IT Management (CTO/CIO)

### Infrastructure & Network Management

- E.g. Network Planning, Design & Implementation; Network Operations Management, Monitoring & Maintenance; Technical/System Support; Business Continuity & Disaster Recovery; Radio Access/Wired Network Management; Network Security Administration; IPv6, NGN – Next Generation Network (NGN Planning & Design, NGN Architecturing, Home Networking)

### ICT in Media & Entertainment

- E.g. Digital Contents Software Development; Digital Media Application Development Digital Media Metrics & Analytics; Digital User Interface Application Development; Games Programming

### Software Development

- E.g. Enterprise Systems Applications (ERP,CRM); Software Engineering & Methodologies; Development Tools for System & Application Software; Requirement Gathering & Process Redesign; Embedded Development & Design

# Supported Skill Areas

## ▪ Emerging Infocomm Skills (Specialist & Above) : 6

### Business Analytics

- E.g. Data Mining Tools & Models; Data Visualisation & Reporting; Predictive Modelling; Text Analytics

### Cloud Computing

- E.g. Virtualisation; Utility Computing; System Performance Management; Cloud Architecturing; Design & Development of Cloud Services; Cloud Deployment & Management (eg. Platforms, Technologies, Intercloud)

### Green Infocomm

- E.g. Virtualisation; Data Centre Architecture; Green Software Design & Development; Energy Audit; Standards – EU Code of Conduct for Data Centres, Singapore Standard for Green Data Centres (SS 564 : 2010)

### Infocomm Security

- E.g. Cloud Computing Security; Mobile Security; Embedded Security; Virtualisation Security; Identity Management; Digital Forensics

### Mobile Application Development

- E.g. Server Technologies (.Net Framework, Cloud Computing); Network/Radio Technologies (4G, 3G, HSDPA+, WiFi); Platforms-Specific Know-Hows (LBS, Sensor, Accelmr)

### Infrastructure/Network/Software Design Architecture

- E.g. Architecture Framework; Infrastructure Architecture

## Specialist & Above Levels

Skill Areas

### Emerging Skills with 30% Project Work Component

- > Business Analytics
- > Cloud Computing
- > Green Infocomm
- > Infrastructure / Network / Software Design Architecture
- > Infocomm Security
- > Mobile Application Development

Funding

#### Course & Exam Fees:

Up to 70% capped at \$3,500

#### Exam Fees:

Up to 70% capped at \$800

### Emerging Skills

- > Business Analytics
- > Cloud Computing
- > Green Infocomm
- > Infrastructure / Network / Software Design Architecture
- > Infocomm Security
- > Mobile Application Development

#### Course & Exam Fees:

Up to 50% capped at \$2,500

#### Exam Fees:

Up to 50% capped at \$500

### Critical Skills

- > Data Integration and Information Management
- > Infrastructure / Network Management
- > ICT Media & Entertainment
- > IT Services and Business Management
- > Software Development

#### Course & Exam Fees:

Up to 50% capped at \$2,500

#### Exam Fees:

Up to 50% capped at \$500

# Course / Certification Endorsement Criteria

## Course / Testing Provider

- A legally registered business entity in Singapore
- Establishment & Track Record (minimum 2 course runs)
- Financial Status
- Management & Support Team
- Instructional Team
- Facilities & Equipment
- Training Administration & Management
- Appointment by Certificate Awarding Body (CAB)
  - ***Applicable to Certifiable Programme only***

# Course / Certification Endorsement Criteria

## Course & Certifications

Not supported by other funding scheme apart from IDA's

### Total Duration for Course and Exam Completion

- Minimum – 3 days, Maximum – 12 Months

### Type of Courses/Certifications

- **Certifiable Programme**
  - Courses that lead to industry recognised certifications
  - Appointment by Certificate Awarding Body (CAB)
  - Review on the Certification
    - *Certification Governing Body*
    - *Body of Knowledge & its currency*
    - *Certification Approach/Mechanism*

### Non-Certification Programme

# Course / Certification Endorsement Criteria

## Course & Certifications

### Project Work Component

- **Course Provider is required to incorporate a practical, hands-on project component into the structured-based training:**

**Forms at least 30% of the course and should be assessed;**

**Clear definition of the expected project work component and assessment criteria;**

- **E.g. duration, individual/group assessment basis, assessment mechanism (Competency-based);**

- **For Certifiable Programme – the project work component must be integrated as part of the training and certification roadmap.**

**Trainee is required to complete this project work component with satisfactory assessment results to be eligible for higher tier support.**

# Course / Certification Endorsement Criteria

## Course & Certifications

### NICF Course Mapping is mandatory

- Courses and certifications that are currently mapped to NICF competencies will remain effective till 31 Mar 2012.
- Course/Testing Providers are required to complete the review for NICF Course Mapping by 31 Dec 2011 when NICF is launched.
  - **NICF 2008 (228 competencies) will retire on 31 Mar 2012.**
- Exemption given to courses and certification in emerging areas, e.g. Business Analytics, Cloud Computing, Green Infocomm will no longer be applicable for all new applications.
  - **NICF Course Mapping is applicable when the relevant competencies are launched.**
  - **Courses and certifications in these new areas must be NICF-mapped within 6 months from the launch date.**

# Course / Certification Endorsement Application

## New Applications

- **CITREP Expanded: Critical Infocomm Technology Resource Programme (1 Apr 2011 – 31 Mar 2013)**

## Estimated Processing Timeline

Courses & Certifications Endorsed under Enhanced CITREP (meet CITREP Endorsement Criteria)

2-4 weeks upon complete submission

New Courses & Certifications

4-8 weeks upon complete submission

## Endorsement Term

- Upon approval, the endorsement term is valid till 31 Mar 2013.
- Endorsement Status is subject to Mid-Term Review conducted between Apr 2012 – June 2012:
  - Financial Status
  - Training Delivery
  - Instructional Team
  - Appointment Status by CAB

# Course / Certification Endorsement Application

Application Admin  
Fee - Payable to  
**“IDA Singapore”**  
upon application

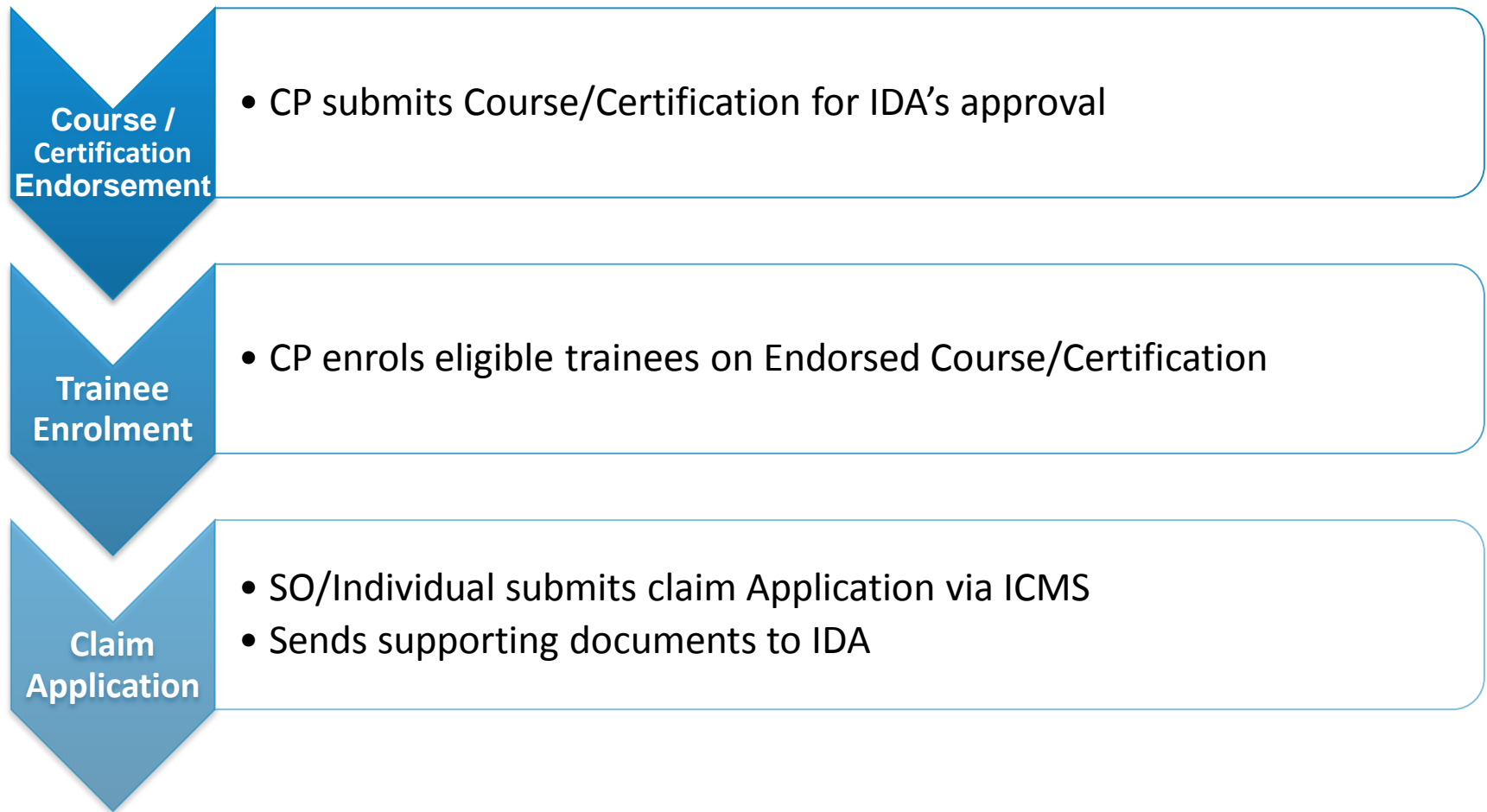
Amount Payable	Application Date
S\$600 per course (subject to 7% GST)	On or before 31 Mar 2012
S\$350 per course (subject to 7% GST)	From 1 April 2012

# Course / Certification Endorsement Application

## Supporting Documents

- Detailed course curriculum including the training / certification roadmap and a brief justification, preferably with some proven statistical results.
- Documentation on Project Work Component (applicable to Emerging Skills with Project Work Component).
- Post-course evaluation forms / reports completed by the trainees for 2 course runs conducted in Singapore.
- Price list (in SGD) for course and examination modules.
- A copy of each trainer's CV.
- Letter of authorisation from the Certificate Awarding Body (if applicable).
- Web link consent form (one-time submission per CP).
- Original signed copy of the CITREP Terms for Endorsement.
- Latest annual reports or audited financial statements (within 12 months from application date).
- Company Business Registration Info (for new CPs).
- Non-refundable administration fee. **Not applicable for Certification endorsement.**

# CITREP Workflow



## Course / Certification Endorsement

- CP submits Course/Certification for IDA's approval

## Trainee Enrolment

- CP enrolls eligible trainees on Endorsed Course/Certification

## Claim Application

- SO/Individual submits claim Application via ICMS
- Sends supporting documents to IDA

# Claim Conditions



- Trainee to commence the Endorsed Course / Certification within the endorsement validity period (Enrolment by Course Provider)

- Trainee to complete the Endorsed Course / Certification within Qualifying Period (12 months from start date)

- Sponsoring Organisation/ Individual submits Claim Application via ICMS (within 3 months from actual completion date)
- Sends supporting documents to IDA (necessary to complete the application)

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