

Use of Functions Points with CAST

Ref. PIL020 – Use of Functions Points with CAST

Duration 1 day

Who should attend:

- Project manager
- Process Consultant
- Program Director
- IT Manager
- Purchasing Manager
- Anyone running a business using function points

Prerequisites:

- Functional design of IT applications skills
- Operational coordination skills
- Team management principles knowledge
- A development experience is a plus

You will learn how to:

- Automatic Function Point Implementation
- Measurement process rollout
- Productivity ratio calculation
- Use Function Point Measurement to
 - Manage a portfolio
 - Pilot one or several projects
 - Follow the improvement
 - Performance improvement

Program

Introduction

- Functional value, vocabulary, uses cases

Method history

- Origin (Allan Albrecht, IBM), Existing methods (IFPUG, ASSEMI, FISMA, NESMA, COSMIC...)

AFP and BFP

- Backfired Function Points presentation

AFP Counting

- Counting process: source code delivery, documentation , counting steps and validation
- Counting scoping : deliverable counting, application design
- Essentials : data group identifications (EIF, ILF) and transactions (Elementary processes EO, EQ, EI)
- Calibration : complexity adjustment of one treatment, complex process decomposition

Special cases

- Application without Data Base (IHM, calculator), SOA, service, ETL, EAI, Datawarehouse

Few indicators

- Categories of functional volumes and few keys indicators

Modified Function points counting

- EFP, AAFP et AETP

Productivity

- Prerequisites for measuring productivity : maturity, external measures ...
- EFT and CAST effort counting
- Calculate productivity
- Productivity analysis: productivity factors (development process, teams location, technology ...)

Use cases

- Function point and monitoring measurement
- IT governance
- Performance benchmark in relation to other company areas
- Development Workload Estimation
- Comparative Study
- Service Level Agreement
- Change management