Training Summary

1.   PURPOSE

Endow the participant with the necessary materials and understanding to effectively utilize an MCE installation to build, deploy, and administer innovative IP communications applications.

2.   GENERAL OUTLINE

- **Platform Comprehension:** Delve into the architecture and operation of the platform to the extent a developer can intuit the design of a proposed application.

- **Development:** Familiarize the participant with the Metreos Visual Designer interface and common design patterns found in the Metreos Application Runtime Environment.

- **Administration:** Take an overarching view of all major administrative concepts and features so that the participant can deploy a new application into any Cisco CallManager environment.

3.   SPECIFIC ACTIVITIES

Leveraging the full extent of the Metreos Communications Environment requires an understanding of the Metreos Call Control API (an abstraction of common VoIP telephony concepts and protocols), a solid understanding of the Metreos Visual Designer, a limited amount of CallManager administrative and conceptual experience, and preferably an understanding of one or more data protocols.

It is not expected that any individual enters the training with all the aforementioned skills. Therefore, the training session is tailored to bridge the participant's strongest abilities with a working knowledge of any newly introduced concepts.

Each of the following activities will most likely occur in a training session, but the amount of time spent on each is determined by that which most effectively complements a trainee's skills, and also what aspect is needed most out of the platform:

- **Application Prototyping:** Based on applications that are currently of interest to the participants, the trainee will make one or more applications using the Metreos Visual Designer with the assistance of a trainer.

- **Native Action and/or Provider Creation:** Given that the participant intends to code a plug-in to extend the Metreos Communications Environment, an example native action and/or provider will be created and incorporated into an example application.

- **Metreos Communications Environment Administrative Overview:** Understanding the capabilities of the platform as configured through the administrative web interface empowers the Metreos application developer to deploy new applications efficiently, and prevents them from recreating features inherent in the platform.

- **Cisco CallManager Administrative Overview**: The MCE integrates into the CallManager platform—if the participant has very limited or no experience with CallManager administration and basic concepts, an overview of CallManager will be held.