

ECMAGA/2000/150

TC39 Progress

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Agenda

- fi TC39 Work Items
- fi TG1: ECMAScript
- fi TG2: C#
- fi TG3: Common Language Infrastructure (CLI)
- fi Schedules
- fi Questions and Answers

TC 39 Work Items

fi TG 1: ECMAScript

- fi Continuation of the current work toward ECMAScript edition 4

fi TG 2: C#

- fi Currently working on edition 1 of the C# programming language

fi TG 3: Common Language Infrastructure (CLI)

- fi Currently working on edition 1 of the CLI

TG1: ECMAScript

fi Edition 4:

- fi Types

- fi Classes

- fi Programming in the large

fi Compact Profile

- fi Designed for devices

- fi Smaller footprint

TG2: C#

- fi C# (pronounced “C Sharp”) is the first component-based programming language in the C/C++ family
- fi Simple, modern, object oriented and type safe
- fi 1st class component concepts

C# Design Goals

- fi Unified Type System
- fi 1st Class Component Support
- fi Robust and Versionable
- fi Preserve Existing Investments

**Full featured, RAD language
for C++ developers**

Hello, World

```
using System;

class Hello
{
    static void Main()
    {
        Console.WriteLine("Hello world");
    }
}
```

TG3: CLI

- fi Common Language Infrastructure (CLI) is a runtime designed to accommodate many devices, languages, and platforms
- fi Consists of:
 - fi A file format
 - fi A common type system
 - fi An extensible metadata system
 - fi An intermediate language
 - fi Access to the underlying platform
 - fi A factored base class library
- fi Edition 1: Enough for C#, ECMAScript, and compact profile

Current TG Status

- fi Good progress in the first two meetings
- fi TG's are working very well together
- fi Positive involvement from all members
- fi Approximately 15 people per TG

Schedules

fi TG1

fi Edition 4 available for December 2001 GA

fi TG2

fi Edition 1 available for December 2001 GA

fi TG3

fi Edition 1 available for December 2001 GA

The background is a dark blue field filled with various sizes and shades of gear silhouettes. On the left side, there is a vertical strip with a grey, textured, halftone-like pattern. In the top-left corner of this strip, there are several small, overlapping semi-circular shapes in shades of purple and pink.

Questions