THE C# / CLI PROJECT

Development of Two ECMA Standards: C# Programming Language and Common Language Infrastructure Runtime

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To ECMA TC39

(Refer to ECMA/TC39/2000/2)
The C# & CLI Project
Sponsors

Sponsors for this Project:

Hewlett-Packard
Intel
Microsoft
Brief History

- C# (pronounced ‘C Sharp’) is the first component-based language in the C/C++ family
- Common Language Infrastructure (CLI) is a multi-language runtime designed to accommodate many devices and platforms
- C# and CLI complement and support the work that is already planned in TC39 (programme of work item 3)
Project Description

- **Standard 1 - C# Programming Language**
  - Simple, Modern, OO and Type-Safe
  - 1st class component concepts
  - Derived from C/C++

- **Standard 2 - Common Language Infrastructure (CLI)**
  - Multi-Language Support
  - Common Data Type Set
  - Small set of base classes
  - Common intermediate language format
  - Common code verification and execution model
Project Development Timeline

- **Nov 2000**
  - First drafts for C# and CLI submitted

- **Mar 2001**
  - Current drafts submitted
  - Project progress reports reviewed by TC39

- **Sep 2001**
  - Final drafts approved by TC39

- **Oct 2001**
  - Begin work on next version of C# and CLI specifications

- **Dec 2001**
  - Version 1 adoption by GA

- **Jan 2002**
  - Submit to ISO for Fast Track process
Questions