

# 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