

# Happy Eyeballs Extension for Multiple Interfaces

draft-ietf-mif-happy-eyeballs-extension-05

**IETF 90 - Toronto, July 2014**

G. Chen, C. Williams, D. Wing, A. Yourtchenko

Speaker: Dan Wing

# Status

- MIF Happy Eyeballs adopted IETF 83
  - Excluded according to updated MIF charter
- MIF Happy Eyeballs still valuable

*MIF charter:*

*5. Guidelines to applications, to provide an improved connectivity experience when the host is attached to multiple networks or there is a change in the set of networks the host is attached to, e.g., via MIF API usage.*

# MIF Happy Eyeballs: Value

- MPVD architecture doesn't cover Happy Eyeballs connections
  - Not all OSs want to do Happy Eyeballs
  - Happy Eyeballs belong in application or OS?
    - Chrome/Firefox: application. iOS/OS X: OS
- Guidelines to applications
- MPVD architecture quiet on
  - Different DNS answers (RFC6731)
  - More specific routes (RFC4191)

} Move to  
architecture  
specification

# Justification: improve user experience

- Improved user experience by selecting fastest interface
- The connectivity testing algorithm complements “Connectivity Tests” description in draft-ietf-mif-mpvd-arch
- Question for WG: Guidelines to non-MPVD-aware nodes?

# MIF Happy Eyeballs

- Happy Eyeballs improves MPVD-aware hosts
- Charter item #5 (application guidelines)
- Keep Happy Eyeballs separate from main MPVD architecture
  - Not all OSs/applications want Happy Eyeballs
  - Not all OSs will be PVD-Aware (previous slide)?

## Comments/Questions?