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June 28, 2005

**HTTP Header Field Registrations**  
**draft-nottingham-hdrreg-http-05**

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Abstract

This document defines the initial contents of a permanent IANA registry for HTTP header fields and a provisional repository for HTTP header fields, per [RFC 3864](#).

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## **1. Introduction**

HTTP/1.0 [3] and HTTP/1.1 [11] define protocol constructs (respectively, the HTTP-header and message-header BNF rules) that are used as message headers. These specifications also define a number of HTTP headers themselves, and provide for extension through the use of new field-names.

This document defines the initial contents of an IANA registry that catalogs permanent HTTP header field-names, and an IANA repository that catalogs provisional HTTP header field-names. Both are operated according to Registration Procedures for Message Header Fields [1].

Note that neither tracks the syntax or semantics of field-values. Also, while some HTTP headers have different semantics depending on their context (e.g., Cache-Control in requests and responses), both registries consider the HTTP header field-name name space singular.

Also, some contact details listed may no longer be correct.

### **1.1 Document terminology and conventions**

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](#) [2].

## **2. Registration templates**

Header field entries are summarized in tabular form for convenience of reference, and presented in full in the following sections.

### **2.1 Permanent HTTP header field registrations**

Header name	Protocol
A-IM	http
Accept	http
Accept-Additions	http
Accept-Charset	http
Accept-Encoding	http
Accept-Features	http
Accept-Language	http
Accept-Ranges	http
Age	http
Allow	http
Alternates	http
Authentication-Info	http

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Authorization	http
C-Ext	http
C-Man	http
C-Opt	http
C-PEP	http
C-PEP-Info	http
Cache-Control	http
Connection	http
Content-Base	http
Content-Disposition	http
Content-Encoding	http
Content-ID	http
Content-Language	http
Content-Length	http
Content-Location	http
Content-MD5	http
Content-Range	http
Content-Script-Type	http
Content-Style-Type	http
Content-Type	http
Content-Version	http
Cookie	http
Cookie2	http
DAV	http
Date	http
Default-Style	http
Delta-Base	http
Depth	http
Derived-From	http
Destination	http
Differential-ID	http
Digest	http
ETag	http
Expect	http
Expires	http
Ext	http
From	http
GetProfile	http
Host	http
IM	http
If	http
If-Match	http
If-Modified-Since	http
If-None-Match	http
If-Range	http
If-Unmodified-Since	http
Keep-Alive	http
Label	http

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Last-Modified	http
Link	http
Location	http
Lock-Token	http
MIME-Version	http
Man	http
Max-Forwards	http
Meter	http
Negotiate	http
Opt	http
Overwrite	http
P3P	http
PEP	http
PICS-Label	http
Pep-Info	http
Pragma	http
ProfileObject	http
Protocol	http
Protocol-Info	http
Protocol-Query	http
Protocol-Request	http
Proxy-Authenticate	http
Proxy-Authentication-Info	http
Proxy-Authorization	http
Proxy-Features	http
Proxy-Instruction	http
Public	http
Range	http
Referer	http
Retry-After	http
Safe	http
Security-Scheme	http
Server	http
Set-Cookie	http
Set-Cookie2	http
SetProfile	http
SoapAction	http
Status-URI	http
Surrogate-Capability	http
Surrogate-Control	http
TCN	http
TE	http
Timeout	http
Trailer	http
Transfer-Encoding	http
URI	http

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Upgrade	http
User-Agent	http
Variant-Vary	http
Vary	http
Via	http
WWW-Authenticate	http
Want-Digest	http
Warning	http

Figure 1

### 2.1.1 Header field: A-IM

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

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Specification document(s):

[RFC3229](#) [[16](#)]

### 2.1.2 Header field: Accept

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

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Specification document(s):

[RFC2616](#) [[11](#)]

### 2.1.3 Header field: Accept-Additions

Applicable protocol: http [[11](#)]

Status: informational

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Specification document(s):  
[RFC2324](#) [[9](#)]

Related information: spoof

#### **2.1.4 Header field: Accept-Charset**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
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Specification document(s):  
[RFC2616](#) [[11](#)]

#### **2.1.5 Header field: Accept-Encoding**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
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Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

#### **2.1.6 Header field: Accept-Features**

Applicable protocol: http [[11](#)]

Status: experimental

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Specification document(s):

[RFC2295](#) [7]

### **2.1.7 Header field: Accept-Language**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

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Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### **2.1.8 Header field: Accept-Ranges**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

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Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### **2.1.9 Header field: Age**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

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**2.1.10 Header field: Allow**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
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Specification document(s):

[RFC2616](#) [[11](#)]

**2.1.11 Header field: Alternates**

Applicable protocol: http [[11](#)]

Status: experimental

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Specification document(s):

[RFC2295](#) [[7](#)]

**2.1.12 Header field: Authentication-Info**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
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Specification document(s):

[RFC2617](#) [[12](#)]

**2.1.13 Header field: Authorization**

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Applicable protocol: http [[11](#)]

Status: standard

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Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.14 Header field: C-Ext**

Applicable protocol: http [[11](#)]

Status: experimental

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Specification document(s):

[RFC2774](#) [[14](#)]

#### **2.1.15 Header field: C-Man**

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:  
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Specification document(s):

[RFC2774](#) [[14](#)]

#### **2.1.16 Header field: C-Opt**

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Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:

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Specification document(s):

[RFC2774](#) [[14](#)]

### [\*\*2.1.17 Header field: C-PEP\*\*](#)

Applicable protocol: http [[11](#)]

Status: deprecated

Author/change controller:

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Specification document(s):

PEP [[29](#)]

### [\*\*2.1.18 Header field: C-PEP-Info\*\*](#)

Applicable protocol: http [[11](#)]

Status: deprecated

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Specification document(s):

PEP [[29](#)]

#### [\*\*2.1.19 Header field: Cache-Control\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### [\*\*2.1.20 Header field: Connection\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### [\*\*2.1.21 Header field: Content-Base\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2068](#) [[4](#)]

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### **2.1.22 Header field: Content-Disposition**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### **2.1.23 Header field: Content-Encoding**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### **2.1.24 Header field: Content-ID**

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

Arthur van Hoff (avh@marimba.com)  
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John Giannandrea (jg@netscape.com)  
Netscape Inc.  
Mark Hapner (mark.hapner@sun.com)  
Sun Microsystems Inc.  
Steve Carter (srcarter@novell.com)  
Novell Inc.  
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At Home Corp

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Specification document(s):

DRP [[20](#)]

### [\*\*2.1.25 Header field: Content-Language\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### [\*\*2.1.26 Header field: Content-Length\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### [\*\*2.1.27 Header field: Content-Location\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

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**2.1.28 Header field: Content-MD5**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

**2.1.29 Header field: Content-Range**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

**2.1.30 Header field: Content-Script-Type**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
W3C (web-human@w3.org)  
World Wide Web Consortium

Specification document(s):

HTML 4 [[21](#)]

**2.1.31 Header field: Content-Style-Type**

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Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
W3C ([web-human@w3.org](mailto:web-human@w3.org))  
World Wide Web Consortium

Specification document(s):  
HTML 4 [[21](#)]

#### **2.1.32 Header field: Content-Type**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

#### **2.1.33 Header field: Content-Version**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2068](#) [[4](#)]

#### **2.1.34 Header field: Cookie**

Applicable protocol: http [[11](#)]

Status: standard

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Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):  
[RFC2965](#) [15]

#### [\*\*2.1.35 Header field: Cookie2\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):  
[RFC2965](#) [15]

#### [\*\*2.1.36 Header field: DAV\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):  
[RFC2518](#) [10]

#### [\*\*2.1.37 Header field: Date\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

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Specification document(s):

[RFC2616](#) [11]

#### [\*\*2.1.38 Header field: Default-Style\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

W3C (web-human@w3.org)  
World Wide Web Consortium

Specification document(s):

[HTML 4](#) [21]

#### [\*\*2.1.39 Header field: Delta-Base\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC3229](#) [16]

#### [\*\*2.1.40 Header field: Depth\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2518](#) [10]

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#### **2.1.41 Header field: Derived-From**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2068](#) [4]

#### **2.1.42 Header field: Destination**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2518](#) [10]

#### **2.1.43 Header field: Differential-ID**

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

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Marimba Inc.  
John Giannandrea (jg@netscape.com)  
Netscape Inc.  
Mark Hapner (mark.hapner@sun.com)  
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Novell Inc.  
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Specification document(s):

DRP [[20](#)]

#### [\*\*2.1.44 Header field: Digest\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC3230](#) [[17](#)]

#### [\*\*2.1.45 Header field: ETag\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### [\*\*2.1.46 Header field: Expect\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

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#### **2.1.47 Header field: Expires**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.48 Header field: Ext**

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:

Henrik Frystyk Nielsen (frystyk@microsoft.com)  
Paul J. Leach (paulle@microsoft.com)  
Scott Lawrence (lawrence@agranat.com)

Specification document(s):

[RFC2774](#) [[14](#)]

#### **2.1.49 Header field: From**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.50 Header field: GetProfile**

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Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

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FireFly Network, Inc.  
Max Metral ([max@firefly.net](mailto:max@firefly.net))  
FireFly Network, Inc.  
Upendra Shardanand ([shard@firefly.net](mailto:shard@firefly.net))  
FireFly Network, Inc.  
Donna Converse ([converse@netscape.com](mailto:converse@netscape.com))  
Netscape Communications  
Mike Myers ([mmyers@verisign.com](mailto:mmyers@verisign.com))  
Verisign, Inc.

Specification document(s):

OPS over HTTP [[22](#)]

#### [\*\*2.1.51 Header field: Host\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### [\*\*2.1.52 Header field: IM\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC3229](#) [[16](#)]

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**2.1.53 Header field: If**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2518](#) [[10](#)]

**2.1.54 Header field: If-Match**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

**2.1.55 Header field: If-Modified-Since**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

**2.1.56 Header field: If-None-Match**

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Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.57 Header field: If-Range**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.58 Header field: If-Unmodified-Since**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.59 Header field: Keep-Alive**

Applicable protocol: http [[11](#)]

Status: standard

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Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2068](#) [4]

#### [\*\*2.1.60 Header field: Label\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC3253](#) [18]

#### [\*\*2.1.61 Header field: Last-Modified\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [11]

#### [\*\*2.1.62 Header field: Link\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

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Specification document(s):

[RFC2068](#) [4]

#### [\*\*2.1.63 Header field: Location\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### [\*\*2.1.64 Header field: Lock-Token\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2518](#) [[10](#)]

#### [\*\*2.1.65 Header field: MIME-Version\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

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### **2.1.66 Header field: Man**

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:

Henrik Frystyk Nielsen ([frystyk@microsoft.com](mailto:frystyk@microsoft.com))

Paul J. Leach ([paulle@microsoft.com](mailto:paulle@microsoft.com))

Scott Lawrence ([lawrence@agranat.com](mailto:lawrence@agranat.com))

Specification document(s):

[RFC2774](#) [[14](#)]

### **2.1.67 Header field: Max-Forwards**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF ([iesg@ietf.org](mailto:iesg@ietf.org))

Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### **2.1.68 Header field: Meter**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

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Internet Engineering Task Force

Specification document(s):

[RFC2227](#) [[6](#)]

### **2.1.69 Header field: Negotiate**

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Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:

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Koen Holtman (koen@win.tue.nl)

Specification document(s):

[RFC2295](#) [[7](#)]

#### **2.1.70 Header field: opt**

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:

Henrik Frystyk Nielsen (frystyk@microsoft.com)  
Paul J. Leach (paulle@microsoft.com)  
Scott Lawrence (lawrence@agranat.com)

Specification document(s):

[RFC2774](#) [[14](#)]

#### **2.1.71 Header field: Overwrite**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2518](#) [[10](#)]

#### **2.1.72 Header field: P3P**

Applicable protocol: http [[11](#)]

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Status: standard

Author/change controller:  
W3C (web-human@w3.org)  
World Wide Web Consortium

Specification document(s):  
P3P [[23](#)]

#### [\*\*2.1.73 Header field: PEP\*\*](#)

Applicable protocol: http [[11](#)]

Status: deprecated

Author/change controller:  
Henrik Frystyk Nielsen (frystyk@w3.org)  
World Wide Web Consortium, MIT Laboratory for Computer Science  
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World Wide Web Consortium, MIT Laboratory for Computer Science  
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World Wide Web Consortium, MIT Laboratory for Computer Science

Specification document(s):  
PEP [[29](#)]

#### [\*\*2.1.74 Header field: PICS-Label\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
W3C (web-human@w3.org)  
World Wide Web Consortium

Specification document(s):  
PICSLLabels [[24](#)]

#### [\*\*2.1.75 Header field: Pep-Info\*\*](#)

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Applicable protocol: http [[11](#)]

Status: deprecated

Author/change controller:

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World Wide Web Consortium, MIT Laboratory for Computer Science

Specification document(s):

PEP [[29](#)]

### **[2.1.76](#) Header field: Pragma**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)

Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

### **[2.1.77](#) Header field: ProfileObject**

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

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Verisign, Inc.

Specification document(s):

OPS over HTTP [[22](#)]

#### [\*\*2.1.78 Header field: Protocol\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

W3C ([web-human@w3.org](mailto:web-human@w3.org))  
World Wide Web Consortium

Specification document(s):

PICSLabeled [[24](#)]

#### [\*\*2.1.79 Header field: Protocol-Info\*\*](#)

Applicable protocol: http [[11](#)]

Status: deprecated

Author/change controller:

Don Eastlake ([dee@cybercash.com](mailto:dee@cybercash.com))  
Rohit Khare ([khare@w3.org](mailto:khare@w3.org))  
Jim Miller ([jmiller@w3.org](mailto:jmiller@w3.org))

Specification document(s):

Selecting Payment Mechanisms [[26](#)]

#### [\*\*2.1.80 Header field: Protocol-Query\*\*](#)

Applicable protocol: http [[11](#)]

Status: deprecated

Author/change controller:

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Jim Miller ([jmiller@w3.org](mailto:jmiller@w3.org))

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Specification document(s):  
Selecting Payment Mechanisms [[26](#)]

#### [\*\*2.1.81 Header field: Protocol-Request\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
W3C ([web-human@w3.org](mailto:web-human@w3.org))  
World Wide Web Consortium

Specification document(s):  
PICSLabeled [[24](#)]

#### [\*\*2.1.82 Header field: Proxy-Authenticate\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

#### [\*\*2.1.83 Header field: Proxy-Authentication-Info\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2617](#) [[12](#)]

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#### **2.1.84 Header field: Proxy-Authorization**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

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Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.85 Header field: Proxy-Features**

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

Phillip M. Hallam-Baker (hallam@w3.org)  
W3C

Specification document(s):

Proxy Notification [[27](#)]

#### **2.1.86 Header field: Proxy-Instruction**

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

Phillip M. Hallam-Baker (hallam@w3.org)  
W3C

Specification document(s):

Proxy Notification [[27](#)]

#### **2.1.87 Header field: Public**

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Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2068](#) [[4](#)]

#### **2.1.88 Header field: Range**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.89 Header field: Referer**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.90 Header field: Retry-After**

Applicable protocol: http [[11](#)]

Status: standard

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Author/change controller:  
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Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

#### [\*\*2.1.91 Header field: Safe\*\*](#)

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:  
Koen Holtman ([koen@win.tue.nl](mailto:koen@win.tue.nl))

Specification document(s):  
[RFC2310](#) [[8](#)]

#### [\*\*2.1.92 Header field: Security-Scheme\*\*](#)

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:  
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Specification document(s):  
[RFC2660](#) [[13](#)]

#### [\*\*2.1.93 Header field: Server\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
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Specification document(s):

[RFC2616](#) [11]

#### [\*\*2.1.94 Header field: Set-Cookie\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2109](#) [5]

#### [\*\*2.1.95 Header field: Set-Cookie2\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2965](#) [15]

#### [\*\*2.1.96 Header field: SetProfile\*\*](#)

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

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Verisign, Inc.

Specification document(s):

OPS over HTTP [[22](#)]

### [\*\*2.1.97 Header field: SoapAction\*\*](#)

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

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Specification document(s):

SOAP [[28](#)]

### [\*\*2.1.98 Header field: Status-URI\*\*](#)

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

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Internet Engineering Task Force

Specification document(s):

[RFC2518](#) [[10](#)]

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### **2.1.99 Header field: Surrogate-Capability**

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

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Oracle

Specification document(s):

edge-arch [[25](#)]

### **2.1.100 Header field: Surrogate-Control**

Applicable protocol: http [[11](#)]

Status: informational

Author/change controller:

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Oracle

Specification document(s):

edge-arch [[25](#)]

### **2.1.101 Header field: TCN**

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:

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Specification document(s):

[RFC2295](#) [[7](#)]

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**2.1.102 Header field: TE**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

**2.1.103 Header field: Timeout**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2518](#) [[10](#)]

**2.1.104 Header field: Trailer**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

**2.1.105 Header field: Transfer-Encoding**

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Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.106 Header field: URI**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2068](#) [[4](#)]

#### **2.1.107 Header field: Upgrade**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [[11](#)]

#### **2.1.108 Header field: User-Agent**

Applicable protocol: http [[11](#)]

Status: standard

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Author/change controller:  
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Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

#### **[2.1.109](#) Header field: Variant-Vary**

Applicable protocol: http [[11](#)]

Status: experimental

Author/change controller:  
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Specification document(s):  
[RFC2295](#) [[7](#)]

#### **[2.1.110](#) Header field: Vary**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
IETF ([iesg@ietf.org](mailto:iesg@ietf.org))  
Internet Engineering Task Force

Specification document(s):  
[RFC2616](#) [[11](#)]

#### **[2.1.111](#) Header field: Via**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:  
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Specification document(s):

[RFC2616](#) [11]

#### **2.1.112 Header field: WWW-Authenticate**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [11]

#### **2.1.113 Header field: Want-Digest**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC3230](#) [17]

#### **2.1.114 Header field: Warning**

Applicable protocol: http [[11](#)]

Status: standard

Author/change controller:

IETF (iesg@ietf.org)  
Internet Engineering Task Force

Specification document(s):

[RFC2616](#) [11]

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## [2.2](#) Provisional HTTP header field submissions

Header name	Protocol
-----	-----
Compliance	http
Content-Transfer-Encoding	http
Cost	http
Message-ID	http
Non-Compliance	http
Optional	http
Resolution-Hint	http
Resolver-Location	http
SubOK	http
Subst	http
Title	http
UA-Color	http
UA-Media	http
UA-Pixels	http
UA-Resolution	http
UA-Windowpixels	http
Version	http

Figure 2

### [2.2.1](#) Header field: Compliance

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Agranat Systems, Inc.

Specification document(s):

OPTIONS messages [[34](#)]

### [2.2.2](#) Header field: Content-Transfer-Encoding

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Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

Tim Berners-Lee ([timbl@w3.org](mailto:timbl@w3.org))

MIT Laboratory for Computer Science

Specification document(s):

Object Headers [[30](#)]

#### [\*\*2.2.3 Header field: Cost\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

Tim Berners-Lee ([timbl@w3.org](mailto:timbl@w3.org))

MIT Laboratory for Computer Science

Specification document(s):

Object Headers [[30](#)]

#### [\*\*2.2.4 Header field: Message-ID\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

Tim Berners-Lee ([timbl@w3.org](mailto:timbl@w3.org))

MIT Laboratory for Computer Science

Specification document(s):

Object Headers [[30](#)]

#### [\*\*2.2.5 Header field: Non-Compliance\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

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Author/change controller:

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Specification document(s):

OPTIONS messages [[34](#)]

#### [\*\*2.2.6 Header field: Optional\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Specification document(s):

WIRE [[32](#)]

#### [\*\*2.2.7 Header field: Resolution-Hint\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

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Specification document(s):

WIRE [[32](#)]

#### **2.2.8 Header field: Resolver-Location**

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Specification document(s):

WIRE [[32](#)]

#### **2.2.9 Header field: SubOK**

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Arthur van Hoff (avh@marimba.com)  
Marimba, Inc.

Specification document(s):

Duplicate Suppression [[33](#)]

#### **2.2.10 Header field: Subst**

Applicable protocol: http [[11](#)]

Status: provisional

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Author/change controller:

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Specification document(s):

Duplicate Suppression [[33](#)]

#### [\*\*2.2.11 Header field: Title\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

Tim Berners-Lee (timbl@w3.org)  
MIT Laboratory for Computer Science

Specification document(s):

Object Headers [[30](#)]

#### [\*\*2.2.12 Header field: UA-Color\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Lou Montulli (montulli@netscape.com)  
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Andrew H. Mutz (mutz@hpl.hp.com)  
Hewlett-Packard Company

Specification document(s):

UA Attributes [[31](#)]

#### [\*\*2.2.13 Header field: UA-Media\*\*](#)

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Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Specification document(s):

UA Attributes [[31](#)]

#### [\*\*2.2.14 Header field: UA-Pixels\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Specification document(s):

UA Attributes [[31](#)]

#### [\*\*2.2.15 Header field: UA-Resolution\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Specification document(s):

UA Attributes [[31](#)]

#### [\*\*2.2.16 Header field: UA-Windowpixels\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

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Specification document(s):

UA Attributes [[31](#)]

#### [\*\*2.2.17 Header field: Version\*\*](#)

Applicable protocol: http [[11](#)]

Status: provisional

Author/change controller:

Tim Berners-Lee (timbl@w3.org)

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Specification document(s):

Object Headers [[30](#)]

### [\*\*3. IANA considerations\*\*](#)

This specification provides initial registrations of HTTP header fields in the "Permanent Message Header Field Registry", defined by Registration Procedures for Message Header Fields [[1](#)].

It also provides initial submissions of HTTP header fields in the "Provisional Message Header Field Repository", defined by the same document.

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#### **4. Security considerations**

No security considerations are introduced by this document beyond those already inherent in use of the HTTP header fields referenced.

#### **5. Acknowledgements**

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#### Appendix A. Revision History

[ [ this section should be removed before final publication. ] ]

-05: Corrected affiliations.

-04: Updated reference e-mail addresses, noted that some may be out of date.

-03: No substantive change; preparation for transition request.

-02: Added Content-Style-Type, Content-Script-Type, and Default-Style.

Reference [RFC3864](#).

-01: Substantial rewrite, using Graham's registry generation sw.

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