
**Information technology — JPEG 2000
image coding system: Interactivity tools,
APIs and protocols**

**AMENDMENT 4: JPIP server and client
profiles**

*Technologies de l'information — Système de codage d'images
JPEG 2000: Outils d'interactivité, interfaces de programmes
d'application et protocoles*

AMENDEMENT 4: Profils du serveur JPIP et du client



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Foreword

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**INTERNATIONAL STANDARD
RECOMMENDATION ITU-T**

**Information technology – JPEG 2000 image coding system:
Interactivity tools, APIs and protocols**

Amendment 4

JPIP server and client profiles

1) Clause 2, Normative references

Add the following reference to clause 2:

- Recommendation ITU-T T.803 (2002) | ISO/IEC 15444-4:2004, *Information technology – JPEG 2000 image coding system: Conformance testing.*

2) Clause 5.1

a) Replace the definition of `TOKEN` by:

`TOKEN = 1*(ALPHA / DIGIT / "." / "_" / "-")`

b) Add the following token at the end of the ABNF-rules:

`IDTOKEN = 1*(TOKEN / ";")`

3) Clause C.2.4

Replace the definition of the `target-id` by the following:

`target-id = IDTOKEN`

4) Clause C.3.2

Replace the definition of the `channel-id` by the following:

`channel-id = IDTOKEN`

5) Clause L.1

Add to the list of fields in L.1 the following:

```

;=====
; C.4.5 Frame Size for Variable Dimension Data (fvsiz)
;=====
fvsiz = "fvsiz" "=" 1#UINT ["," round-direction]
round-direction = "round-up" / "round-down" / "closest"
;=====
; C.4.7 Offset for Variable Dimension Data (rvoff)
;=====
rvoff = "rvoff" "=" 1#UINT
;=====

```

```

; C.4.8 Region Size for Variable Dimension Data(rvsiz)
;=====
rvsiz = "rvsiz" "=" 1#UINT

```

6) Clause L.2

a) *Replace the list of jpip-response headers by the following:*

jpip-response-header =

```

/ JPIP-tid ; D.2.2
/ JPIP-cnew ; D.2.3
/ JPIP-qid ; D.2.4
/ JPIP-fsiz ; D.2.5
/ JPIP-rsiz ; D.2.6
/ JPIP-roff ; D.2.7
/ JPIP-fvsiz ; D.2.8
/ JPIP-rvsiz ; D.2.9
/ JPIP-rvoff ; D.2.10
/ JPIP-comps ; D.2.11
/ JPIP-stream ; D.2.12
/ JPIP-context ; D.2.13
/ JPIP-roi ; D.2.14
/ JPIP-layers ; D.2.15
/ JPIP-srate ; D.2.16
/ JPIP-metareq ; D.2.17
/ JPIP-len ; D.2.18
/ JPIP-quality ; D.2.19
/ JPIP-type ; D.2.20
/ JPIP-mset ; D.2.21
/ JPIP-cap ; D.2.22
/ JPIP-pref ; D.2.23
/ JPIP-align ; D.2.24
/ JPIP-subtarget ; D.2.25

```

b) *Add respectively the following items to the list of JPIP Response BNF:*

```

;=====
; D.2.8 Frame Size for Variable Dimension Data (JPIP-fvsiz)
;=====
JPIP-fvsiz = "JPIP-fvsiz" ":" LWSP 1#UINT
;=====
; D.2.9 Region Size for Variable Dimension Data(JPIP-rvsiz)
;=====

```