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Change Request #:	322
Assigned OGC Document #:	13-110
Name:	*Pedro Goncalves
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Document Name/Version:	*Web Feature Service 2.0 Interface Standard (also ISO 19142) / 2.0
OGC Project Document:	*09-025r1
If this is a revision of a previous submission and you have a Change Request Number, then check here: ☐ Enter the CR number here: Enter the Revision Number that you are revising here:	
Title: 	* [WFS/FES SWG] Invalid MIME types for GML output format
Source: 	* http://tools.ietf.org/html/rfc3023
Work item code: 	
Category: 	* F (Critical correction)
Reason for change: 	* On this document we use as an example an invalid MIME type "text/xml; subtype=gml/3.2" This MIME type is invalid because the only optional parameter on text/xml is "charset" and that media type parameters cannot have "/" without quotes http://www.ietf.org/rfc/rfc2045.txt http://tools.ietf.org/html/rfc3023#page-7 It seems that the subtype parameter name originates from a quick reading of the bnf notation that states type "/" subtype *[";" parameter]

	parameter := attribute "=" value so we are using the name subtype twice here these examples gave origin to different interpretations and we now start see the usage of this nonexistent subtype parameter to express the notion of profiles e.g. text/xml; subType=gml/3.1.1/profiles/gmlsf/1.0.0/0
Summary of change: ⓘ	* The GML mime type registration is still an opportunity to cover these issues. Is it possible at least to try to update the gml registration and include directly a "profile" parameter ? (this in line with rfc6906 http://tools.ietf.org/html/rfc6906) The GML registration email thread seems still "open to debate" http://www.ietf.org/mail-archive/web/ietf-types/current/msg01243.html and document stayed draft and we can still correct it http://tools.ietf.org/html/draft-portele-ogc-gml-mime-01
Consequences if not approved: ⓘ	Even if "text/xml; subtype=gml/3.2" appears only on a few examples (the text and tables define the "application/gml+xml; version=3.2") it is normal practice of WFS implementations and deployments to use the subtype parameter to express profiles. This generates different interpretations of this "subtype" that is used sometimes to express the gml version while in others the gml profile. We should avoid such misunderstandings but also at the same time we have to respond to need of expressing the gml profile being used.
Clauses affected: ⓘ	* Examples
Additional Documents affected: ⓘ	
Supporting Documentation: ⓘ	http://www.ietf.org/rfc/rfc2045.txt http://tools.ietf.org/html/rfc3023#page-7 http://tools.ietf.org/html/rfc6906 https://portal.opengeospatial.org/files/?artifact_id=39292
Comments: ⓘ	

Status: 	Assigned 
Assigned To: 	WFS/FES SWG 
Disposition: 	Referred 