



Private tag documentation: 'ICCP'

Introduction

The 'ICCP' tag is an iccMAX profile embedded in an ICC (v4) profile. It adds functionality not available in the ICC specification by using the advanced capabilities of iccMAX.

Information about embedding profiles is given in ICC.2:2019 Annex X - Embedding into a profile created according to ISO 15076-1 (Normative)

Permitted tags/types

An embedded profile contains a sub-set of the tags defined in ICC.2 2019 (or later version). The particular sub-set of allowed tags and types is defined in an associated Interoperability Specification (ICS).

Tags which also appear in the embedding ICC profile are redundant and are omitted from the embedded profile.

The embedded profile contains no data that not defined by the iccMAX specification and the ICS.

Tag contents

The 'ICCP' embedded profile contains metadata and processing elements that can be applied by an ICC CMM that has been extended to support additional functionality. Both the specific tags that are included in the embedded profile, and the necessary CMM processing capabilities, are defined in the associated ICS, which may be found in the ICC ICS Registry. The ICS also defines CMM configurations and control options, where available.

The definition of any tag in an embedded profile is given in ICC.2 2019 (or later version).

Usage

An embedded iccMAX profile provides additional functionality beyond that which is available in the ICC specification. This could include for example spectral connection, alternate colorimetry (observers and/or illuminants), or transform elements not available in ICC v4.

The embedding ICC profile has the same data colour space and profile class as the embedded profile, and is intended to give reasonable results when applied by itself and the embedded

profile is ignored. Only extended CMMs that support the additional functionality defined by the ICS are expected to parse and apply the transforms in the embedded profile.

IP

The specification of the 'ICCP' tag follows the ICC/ISO IP policy. At the time of registration, no patents have been declared to ICC relating to this tag.

Owner

International Color Consortium