





# JPEG-XTの最新動向

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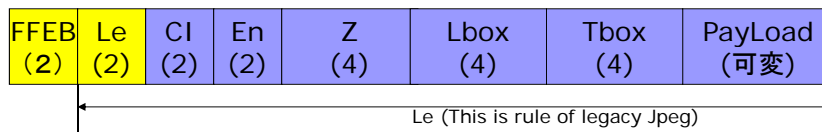
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- 1. XTの仕様
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- 3. 標準化の残作業

# 1. XT仕様

- 1. 1:HDR画像対応(16~8bit画像)
- 1. 2: Backward Compatible
- 1. 3:OpenEXR等の浮動小数点画像、整数画像双方に対応
- 1. 4:ロスレス
- 1. 5:トーンマッピング量子化の追加

## XT仕様



This marker segment obey legacy Jpeg specification.  
This is point of backward compatibility.

LBox: Total Length of PayLoad data of same TBox.  
For example, residual data may be longer than  
Le. So, there are some number of Residual  
stream(TBox="RESI"). Sum of these(only PayLoad) is LBox.

Z: PayLoad number of same TBox.

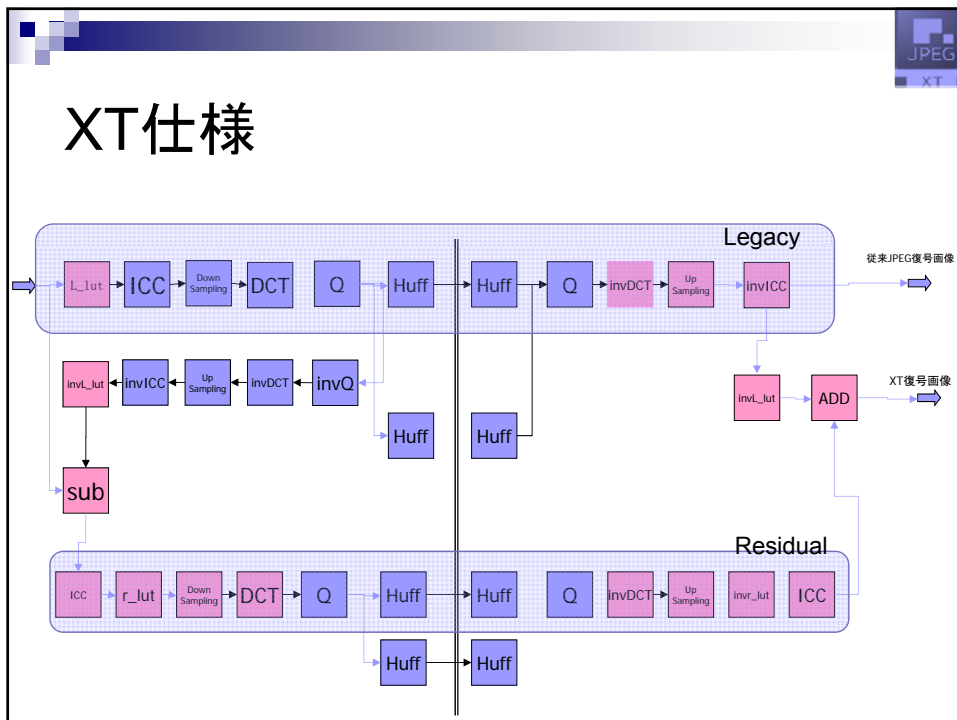
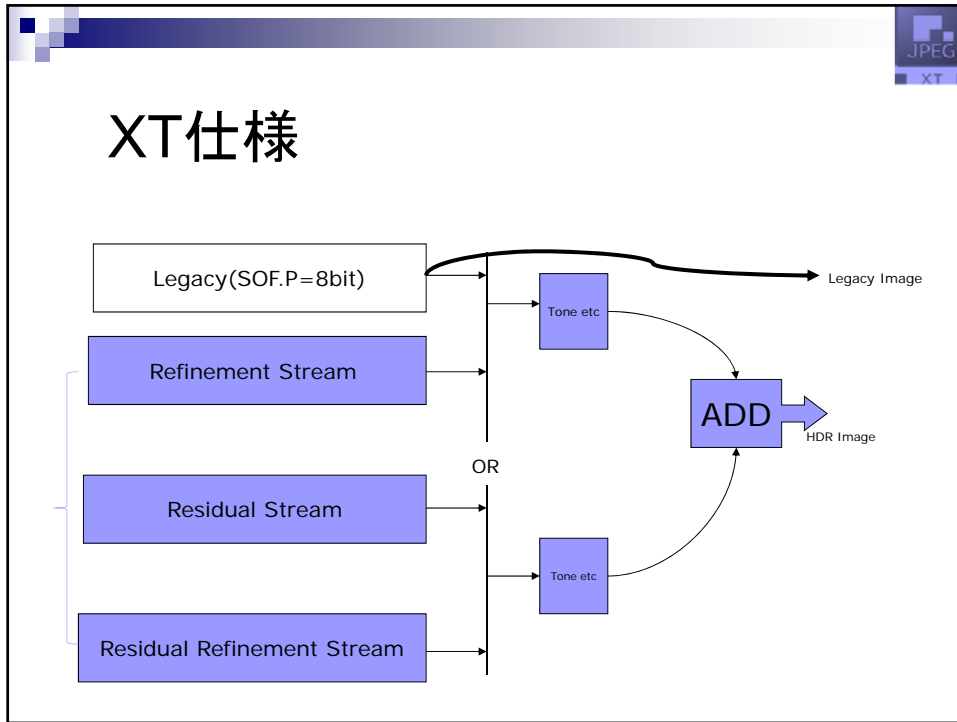
En: Number of APP11 marker segment of same CI.

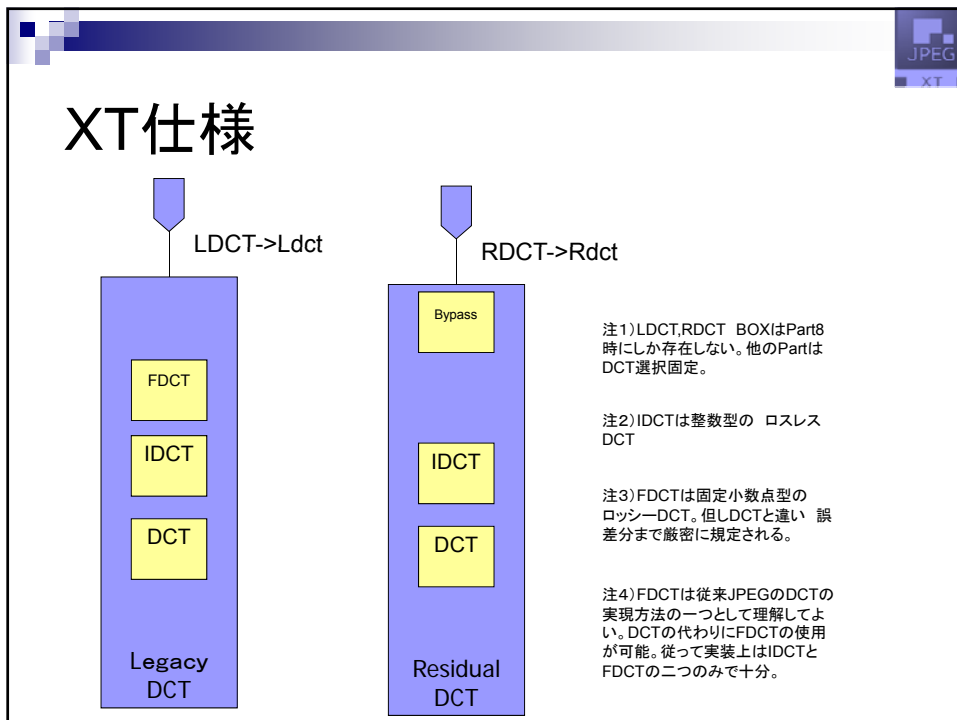
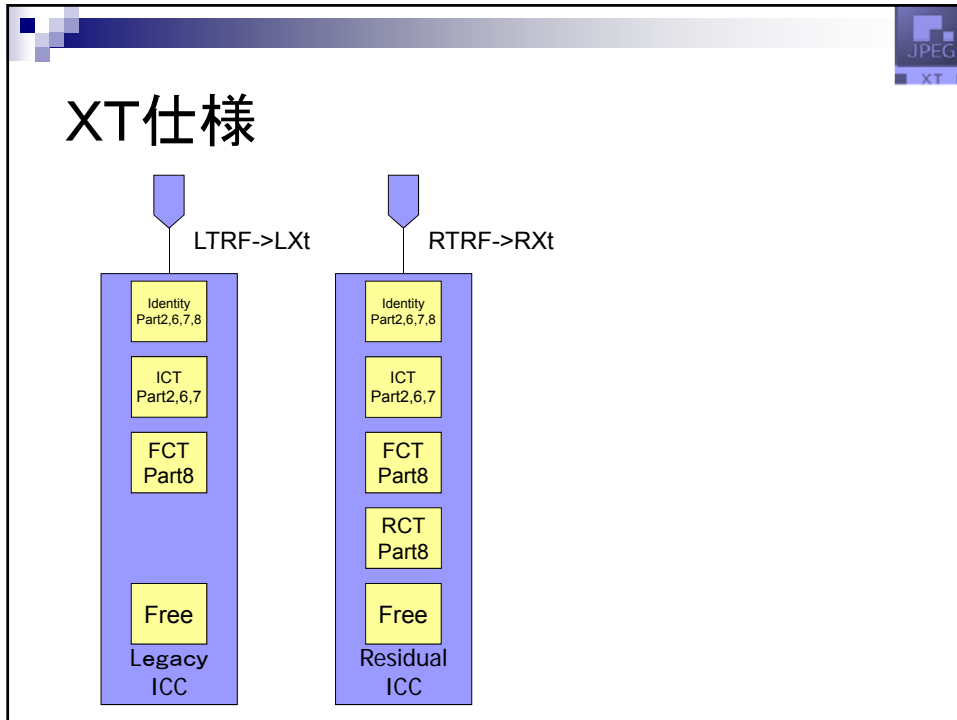
Le: Length of APP11 Marker segment(2Byte) .

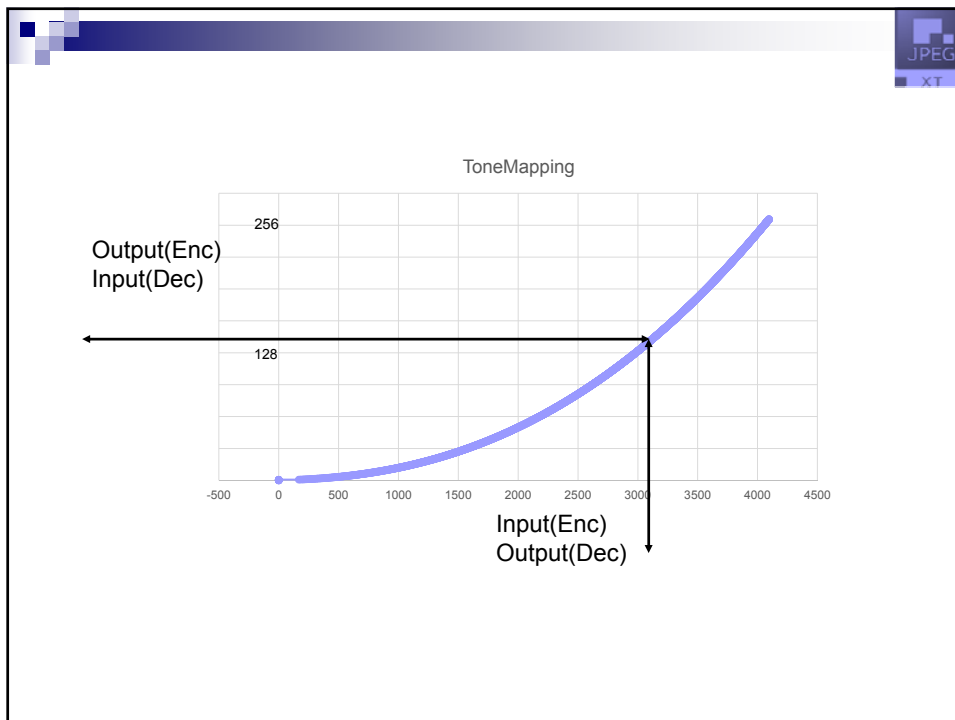
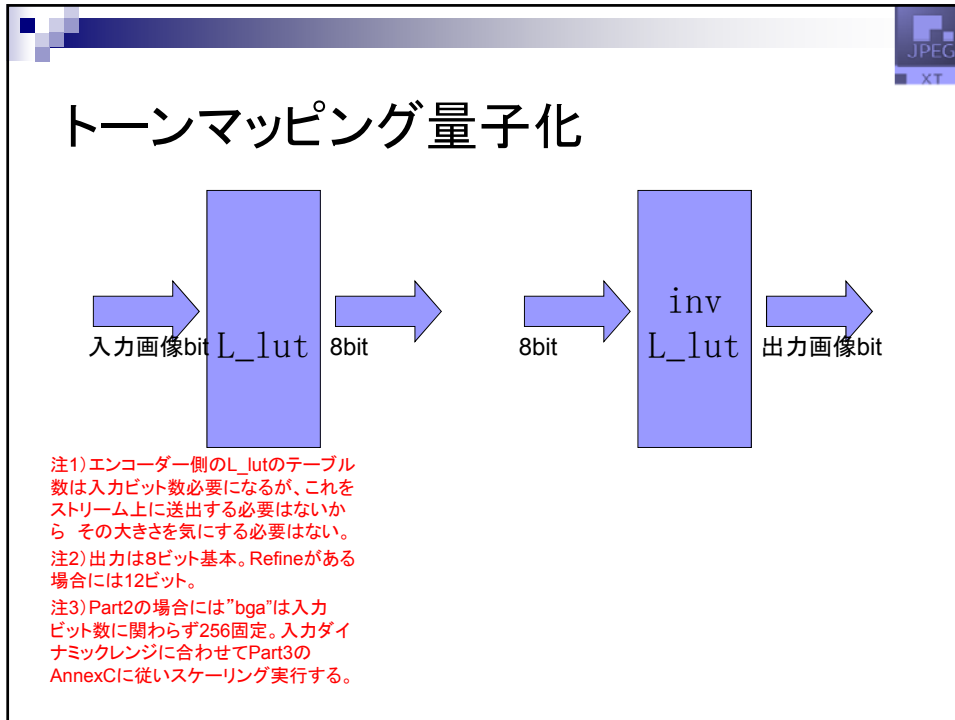
CI: "JP"(0x4A50) fixed value in JpegXT.

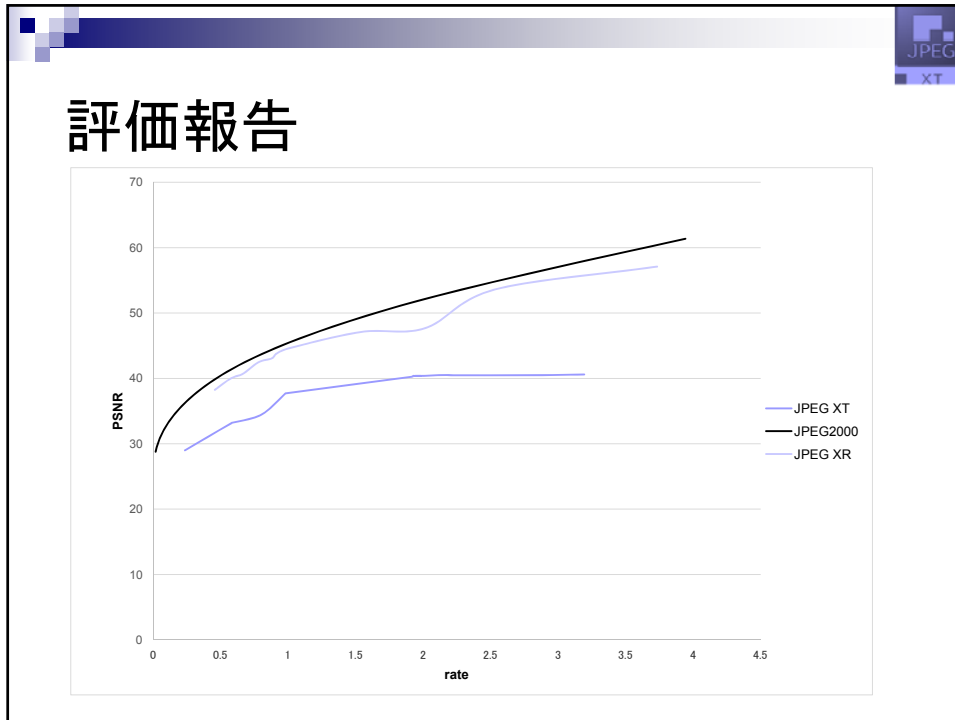
TBox: Type of APP11 marker segment.

Parameter for decode and type of code stream









## 勧告の残作業

Part	Title	WD	CD	DIS	FDIS	IS
1	Core Coding System	13/01	13/07	14/01		14/10
2	Coding of High Dynamic Range Images	13/07	14/01	14/04		14/10
3	Box File Format	14/01	14/07	15/02		15/06
4	Conformance Testing	13/10	15/10	16/02		16/06
5	Reference Software	14/01	15/06	16/02		16/06
6	IDR Integer Coding	14/04	14/07	15/02	15/06	15/10
7	HDR Floating-Point Coding	14/05	14/07	15/02	15/06	15/10
8	Lossless and Near-lossless Coding	14/07	15/02	15/06		16/02
9	Alpha Channel Coding	15/02	15/02	15/06		16/02

## 勧告の残作業

### ①テストパラメータの決定

### ②相互交信テスト

シュツットガルト大学、トレリス、ドルビー、ICT-Link  
その他参加機関を募集する予定(WG1内)

### ③コンFORMANCEデータへの フィードバック