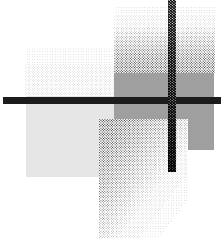


# Modelling and Simulation of H.26L Encoder

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# H.26L Standard Goals and Applications

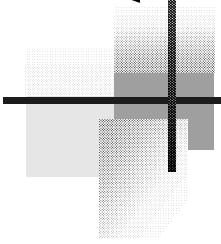
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## Goals

- n Enhanced Compression Efficiency.
- n Improved Network Adaptation.
- n Simple Syntax Specification.

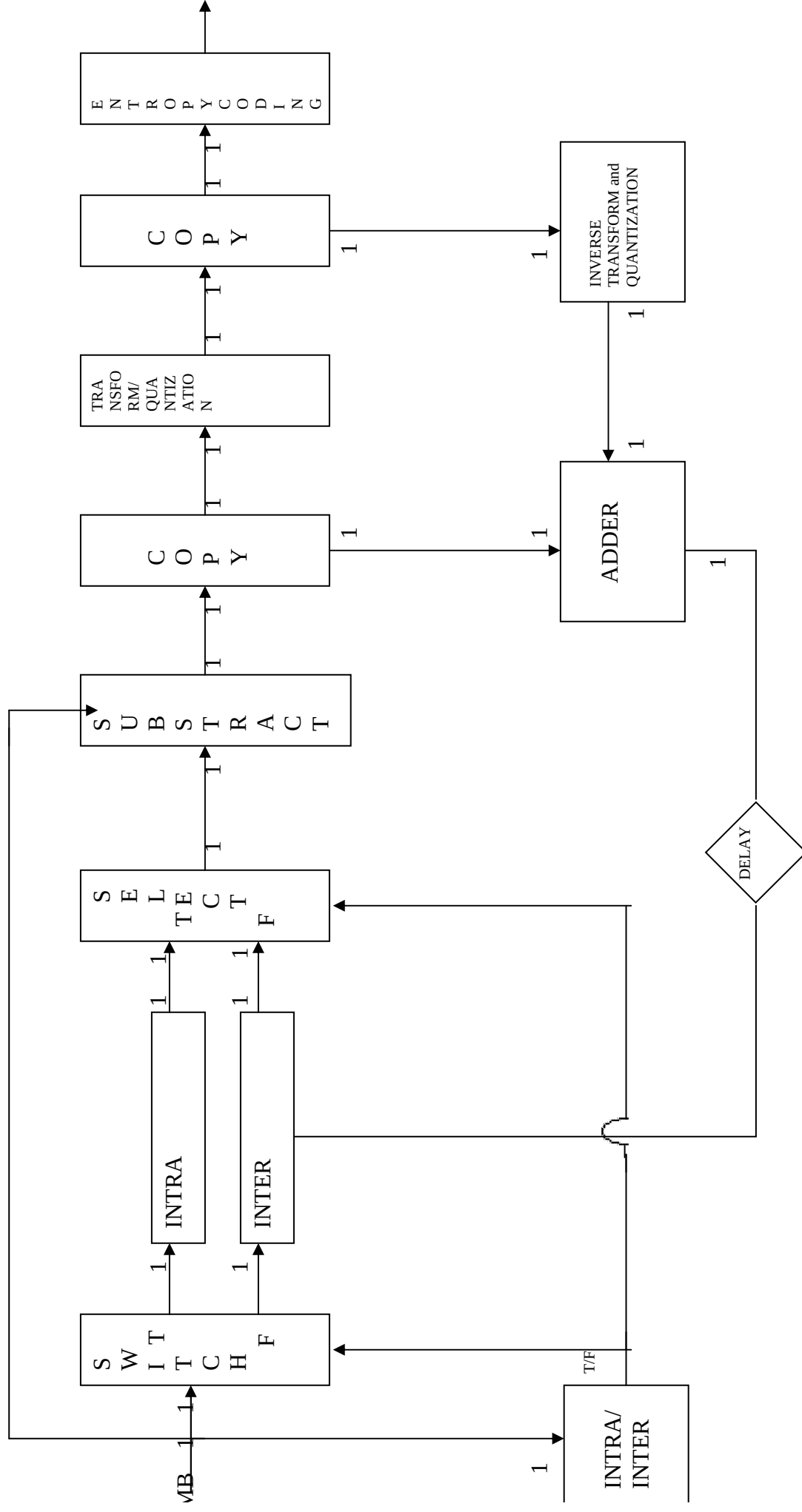
## Applications

- n Conversational e.g. Video Telephony
- n Non conversational e.g. Storage, Broadcast or Streaming
- n Entertainment Satellite/Cable/DVD, 0.5 – 8 Mbit/s
- n Digital Cinema Application
- n 3GPP Multimedia Messaging Services



# Advantages over other Standards

- n **Motion Representation**
  - Multiple Reference Frames
  - Different block sizes
- n **Entropy Coding and Coefficient Scanning**
  - UVLC
  - CABAC
- n **Pure Integer Spatial Transform**
  - Approximation of DCT ( $4 \times 4$ ) / ( $8 \times 8$ ) Floating point DCT
- n **Intra Prediction**
  - Directional Prediction – Spatial Domain /
  - Coefficient Value prediction – Transform Domain



## BDF MODEL OF H.26L ENCODER