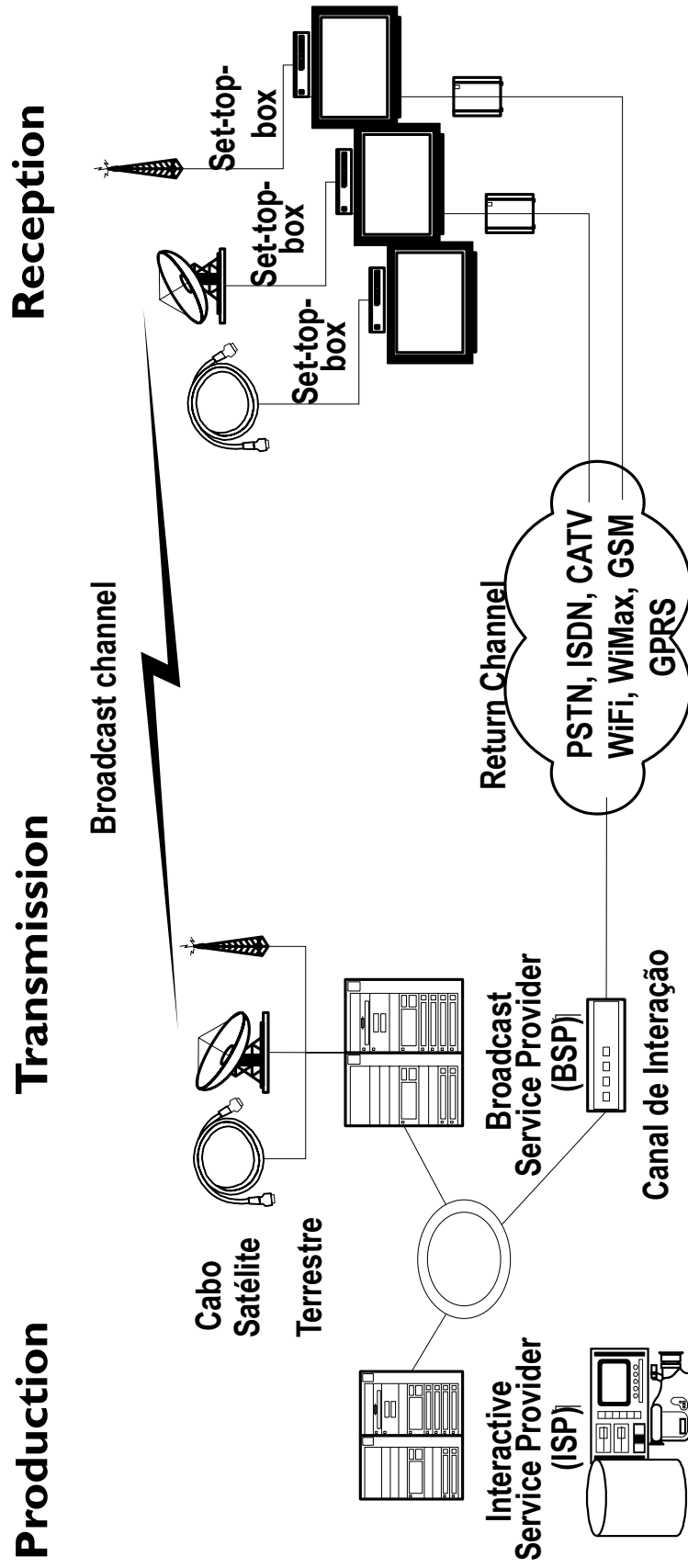




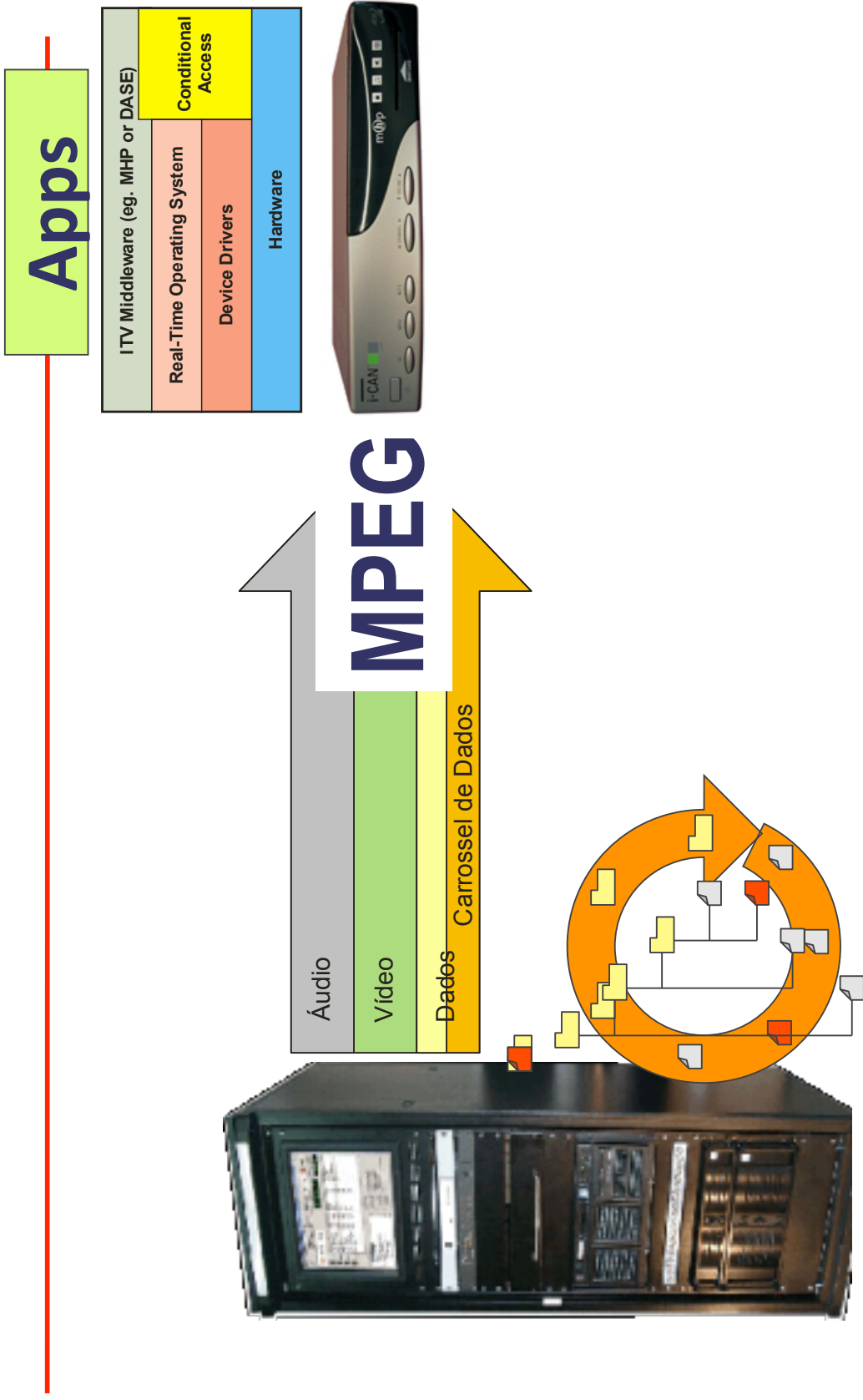
Digital TV System Overview

Session 2 DTV Generic Architecture System

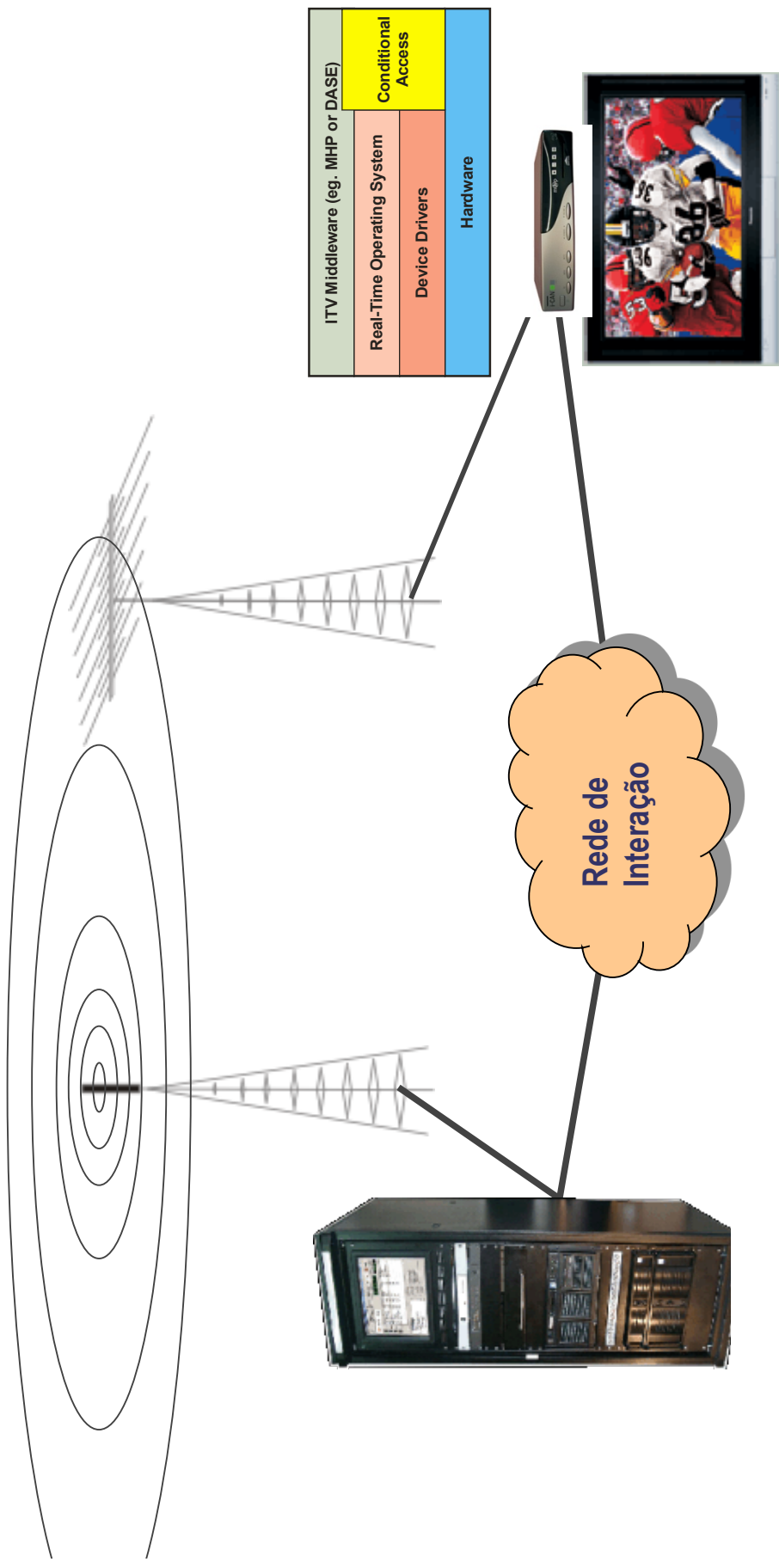
DTV System – Overview



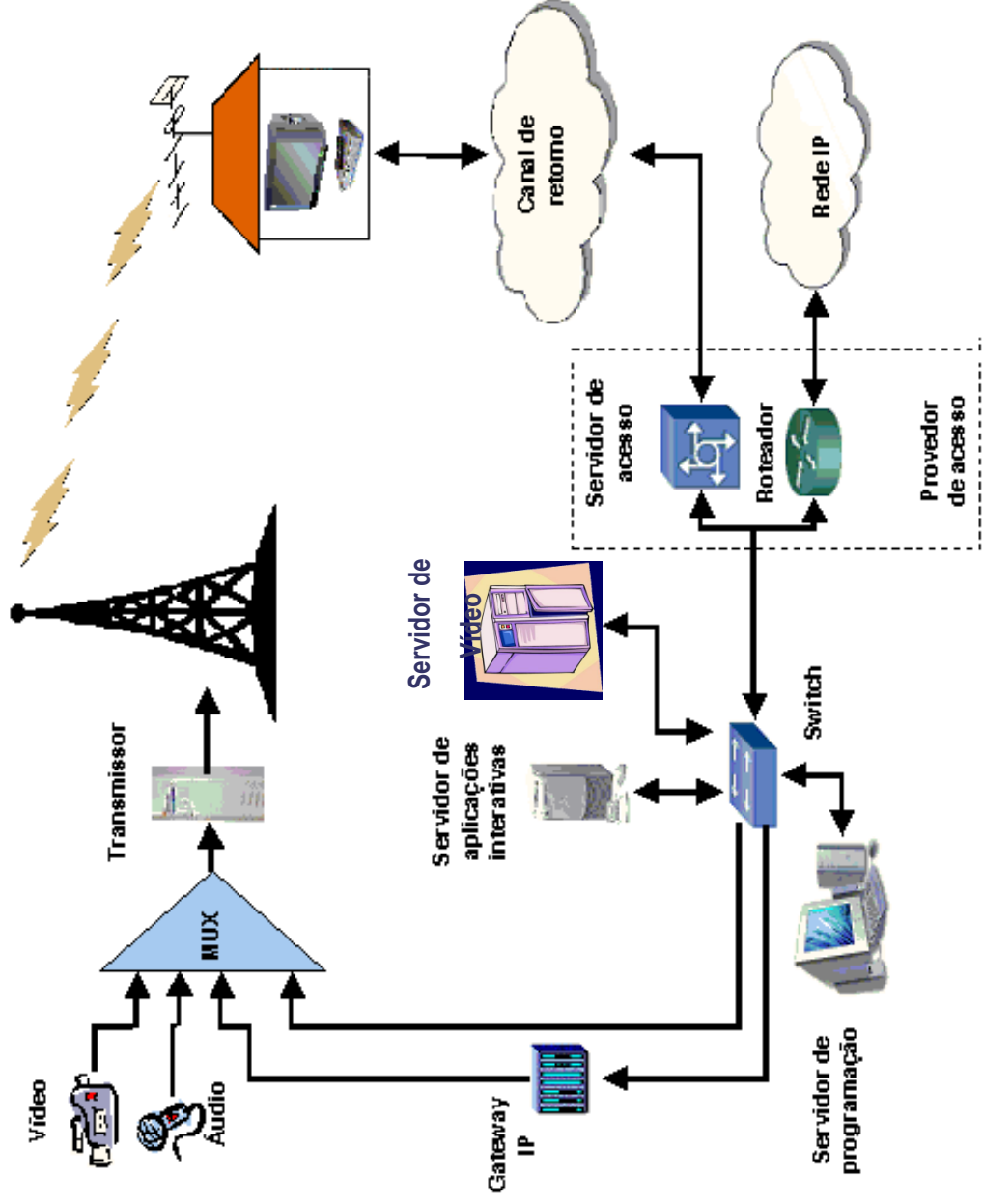
DTV System without return channel



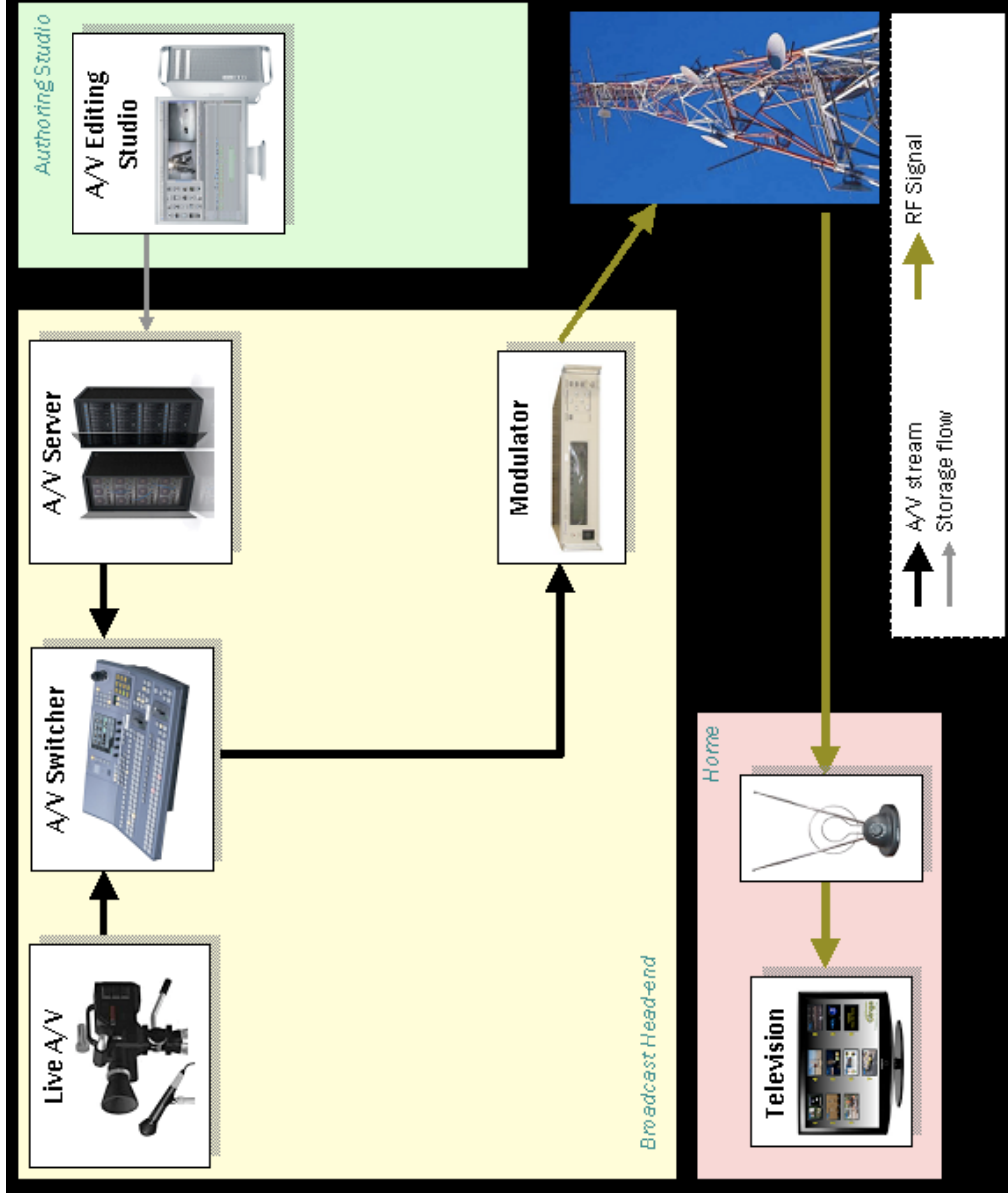
DTV System with return channel



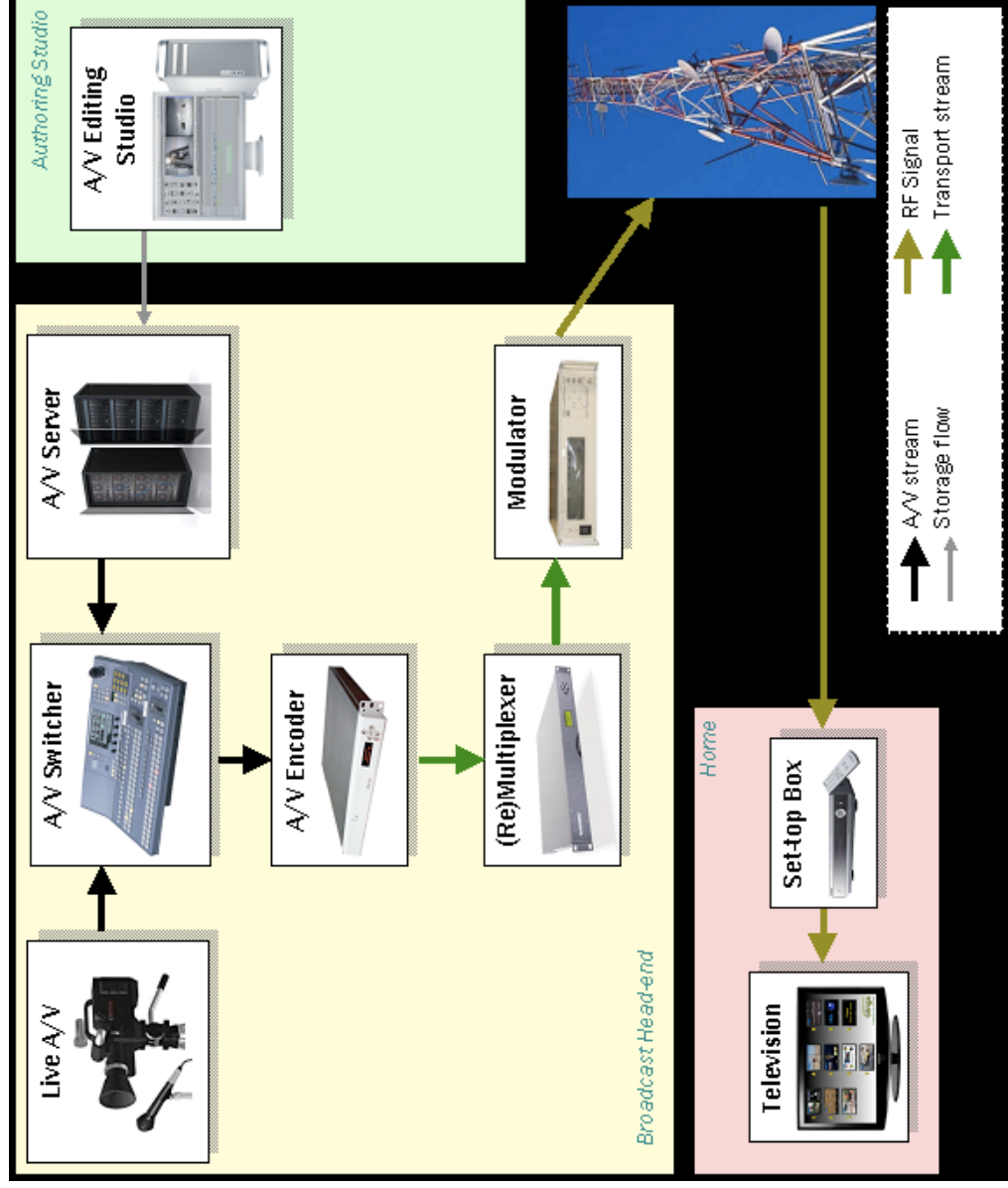
DTV System integrated with Internet



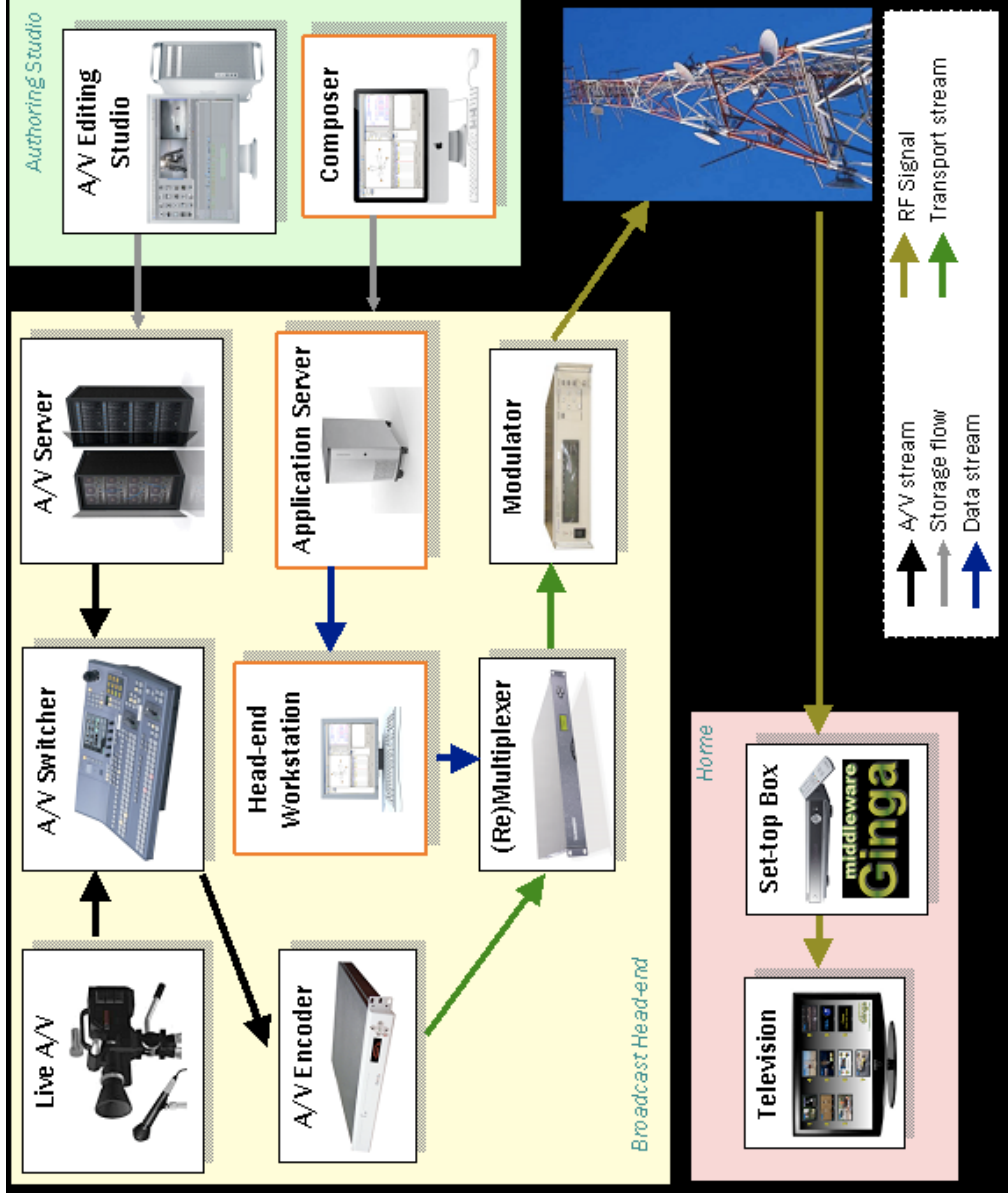
Analog broadcast station environment



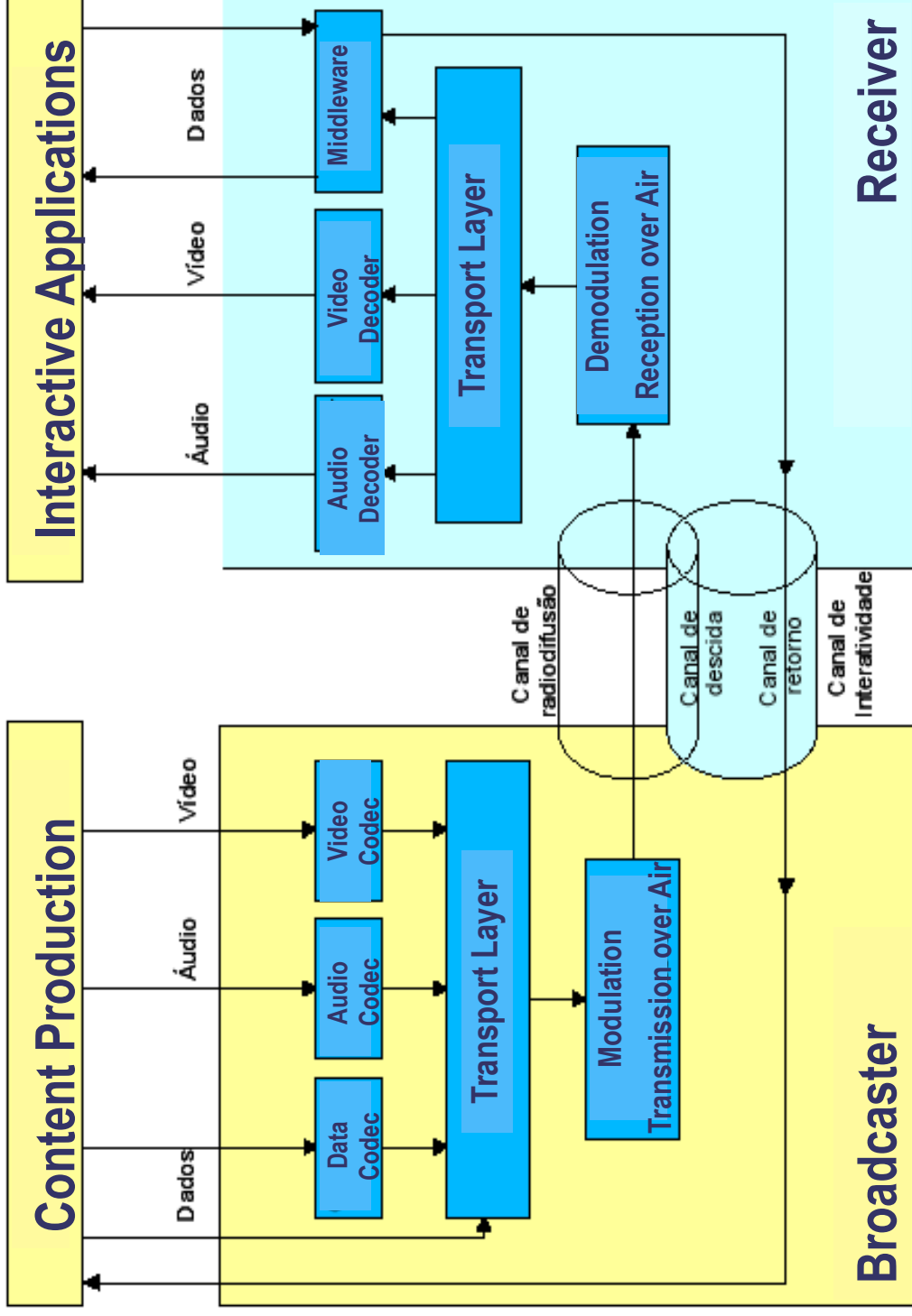
Digital broadcast station environment



Interactive digital broadcast station environment



DTV Reference architecture





Digital TV System Overview

Session 3 DTV Standards

DTV Free to air (FTA) standards

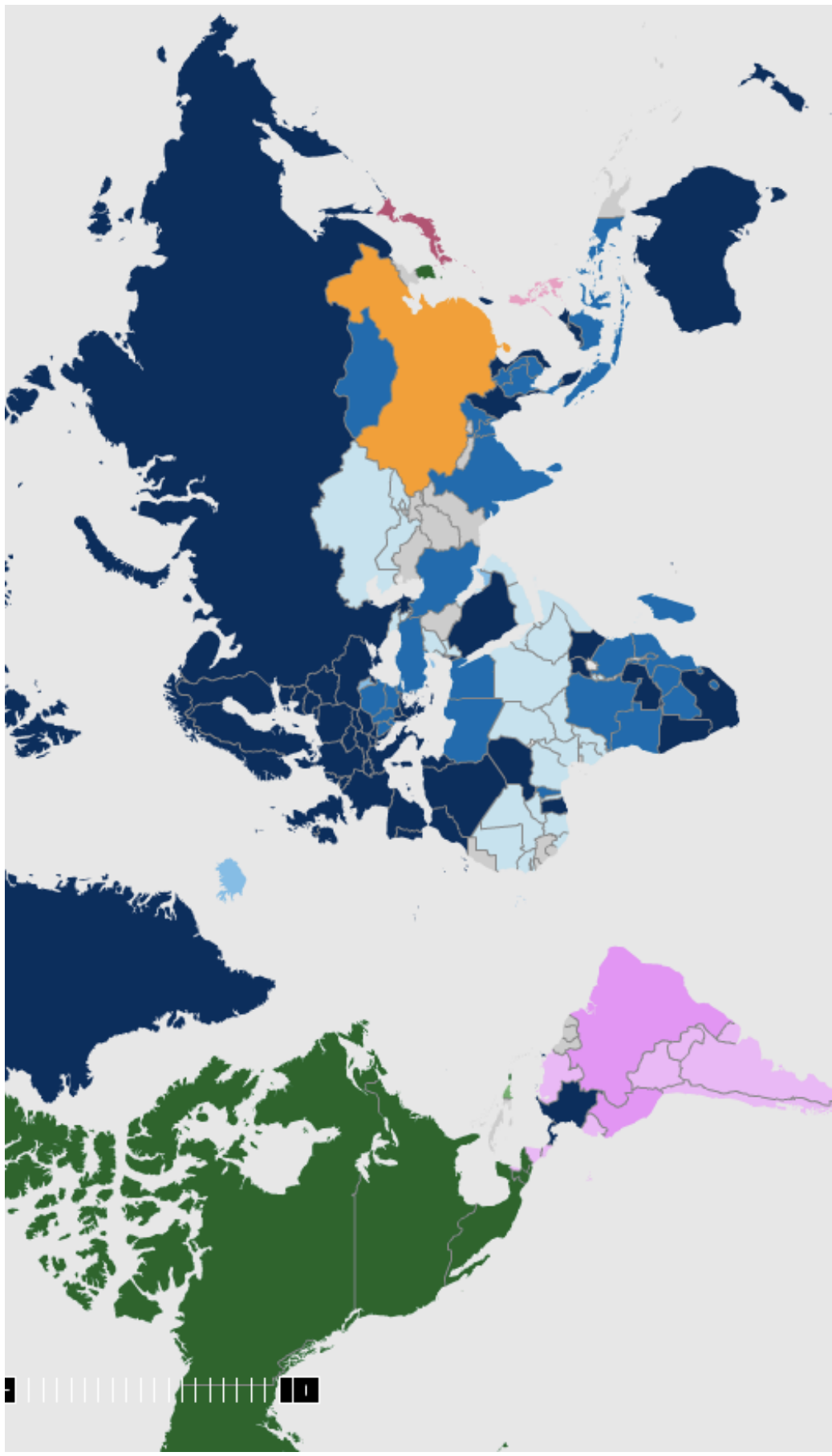
▶ Geopolitically distinct groups serving macroeconomic blocks:

- ▶ ATSC-T -> Advanced Television Systems Committee
 - ▶ USA, Canada, Mexico, South Korea, Taiwan
- ▶ DVB-T -> Digital Video Broadcasting
 - ▶ Europa, Australia, Malaysia, India, South Africa
- ▶ ISDB-T -> Integrated Services Digital Broadcasting
 - ▶ Japan

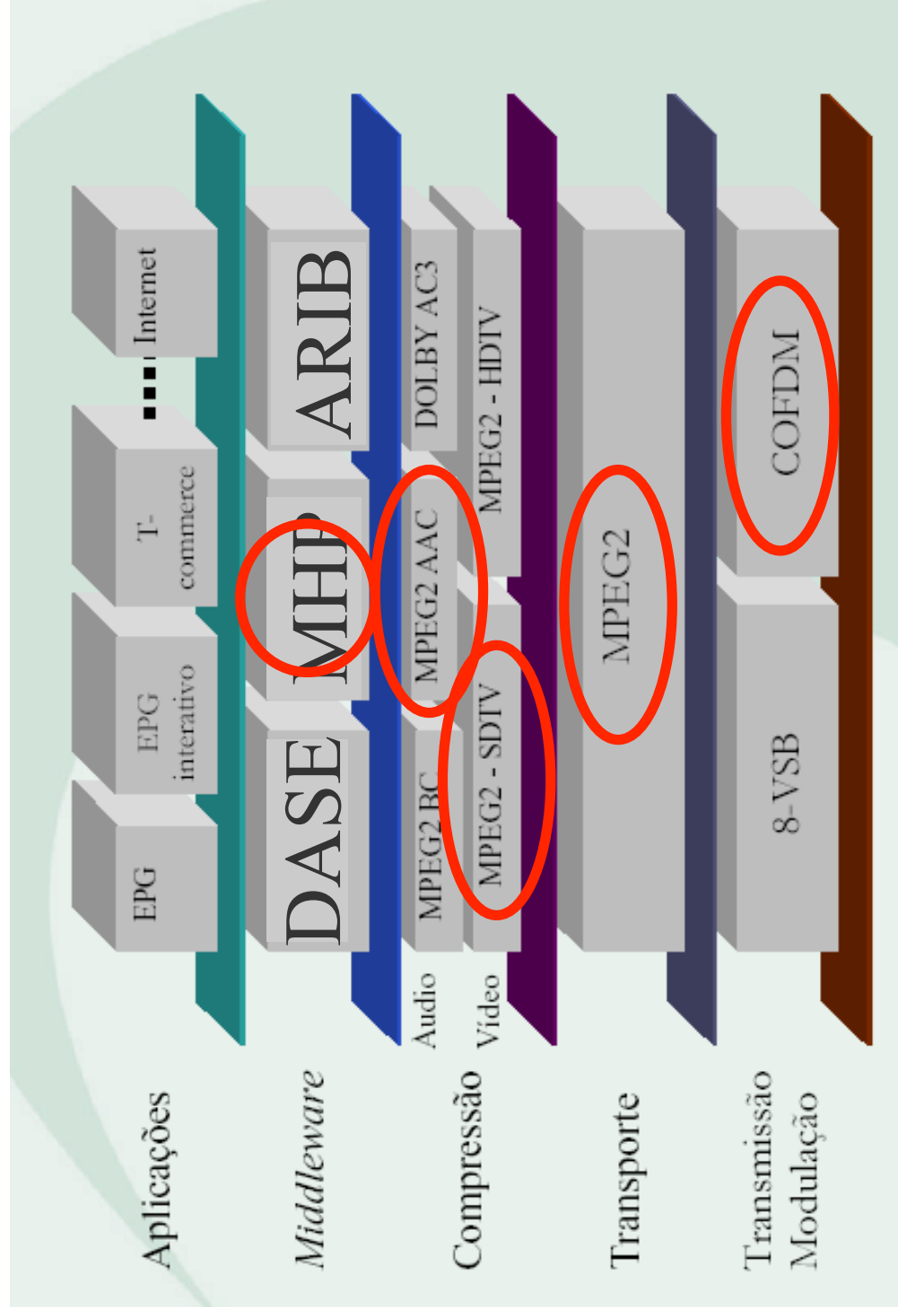
▶ Recently:

- ▶ ISDB-Tb -> Brazilian Digital TV System
 - ▶ Brazil, Filipinas, Peru, Argentina, Chile, Venezuela, Equator, Costa Rica, Paraguay and Bolivia
- ▶ DMB-T -> Digital Television Industrial Alliance
 - ▶ China, Hong Kong and

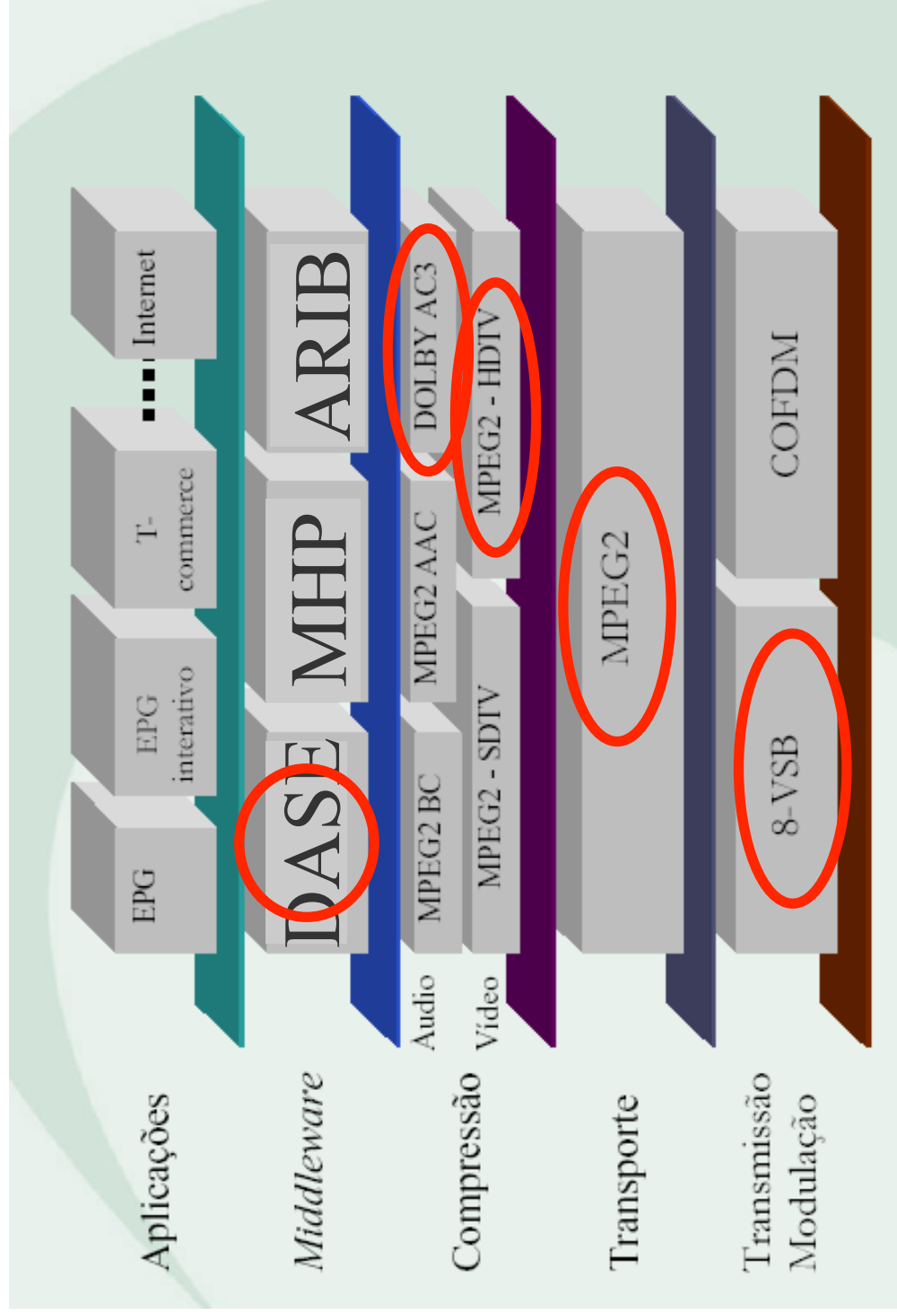
DTV FTA Standards



DTV FTA Standards - DVB



DTV FTA Standards - ATSC



DTV FTA Standards - ISDB

