

Parental Rating API

Third Web and TV Workshop

## Pre-Summary

Many TVs and set-top boxes have some sort of age restriction setting

Would be useful to access from browser

Would be even better if it wasn't such a mess

And multi-media makes it worse

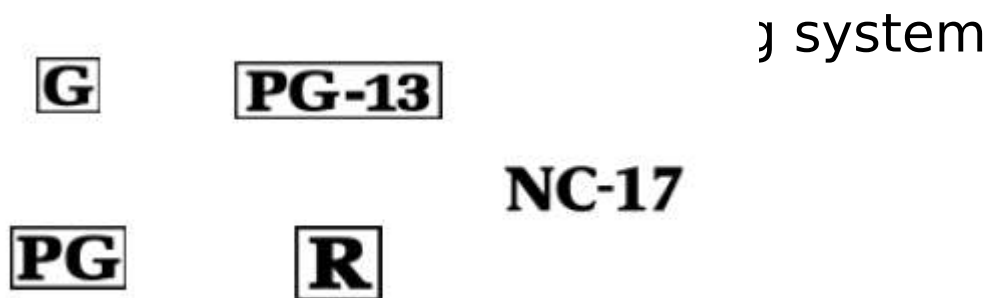
# History

Rating systems initially came from the film industry

Originally the Hays code set guidelines on what was allowed

A movie that didn't follow the rules was not released

Abandoned in



# Other countries adopted similar systems

	General
	Parental guidance recommended
	Recommended for mature audiences
	Not suitable for people under 15. Under 15s must be accompanied by a parent or adult guardian
	Restricted to 18 and over
	Restricted to 18 and over





Country/System	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Adult	
ACB	Master text format bearbeiten															MA15+	R18+X18+			
MJ/DEJUS	Zweite Ebene															14	18			
CHVRS (1)	Dritte Ebene															14A	18			
MOC	Vierte Ebene															15	18			
Medierådet	Fünfte Ebene															15	18			
FBFC	General Audience (Unrestricted)															Adult (Restricted)	Adult (Restricted)			
MOC	PERE	L	MP-6	K-12	K-14	MS-12	K-13	K-15	K-18	-10	-12	-16	FSK 12	FSK 16	FSK 18	K-17	K-18	-18	FSK 18	
FSK	FSK 0	U	FSK 6	K	K-13	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA	IIA
TELA	KN	ALL	7	12	14	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Småis	L	U	7	12	14	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18
CBFC	AVSU	BC-A	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC
IFCB	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
IFCO	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MIBAC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Eirin	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
NCC	U	7+	7+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+	12+
NBC	G	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG
RTC	AA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Kijkwijzer	AL	6	9	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
OFLCNZ	G	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG
NFAVCB	G	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG
MTRCB	A	7	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
KRRIT	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
CCE	BC	M/4	7	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6	M/6
MDA	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
FAPB	G	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG
Statens medieråd	BU	7	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
GIO	(General)	(Protect)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)	(Counsel)
BBFC	U	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG
MPAA	G	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG
FAB	C/P	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
CAC	G	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG	PG
CHVRS (1994-2005)	G	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP	PG/DP

Table from Wikipedia (simplified)



# Additional rating schemes

## TV rating schemes



## Music rating schemes



## Games



## Problem scope

There are lots of rating systems

That's not the problem

Content is rated by some semi-official national organization

Content is usually single media

Ratings are 'applied' at point of purchase

Purchases are in a specific country - national rules apply

## 'Classic' set-top box scenario

Set-top box set to (German rating) FSK 12

Movie received has FSK 6

Set-top box shows movie

Movie received has FSK 16

Set-top box does not show

Already tricky with satellite TV

Should I play a "T" movie from Italy?



# Common solution - set of rating lists

Check your iPhone for an example...

Keine Filme zulassen	
ab 0 Jahren	✓
ab 6 Jahren	✓
ab 12 Jahren	✓
ab 16 Jahren	✓
ab 18 Jahren	✓
Alle Filme zulassen	✓

Keine Filme zulassen	
U	✓
Uc	✓
PG	✓
12	✓
12A	✓
15	✓
18	✓
Alle Filme zulassen	✓

Keine Filme zulassen	
G	✓
PG	✓
PG-13	✓
R	✓
NC-17	✓
Alle Filme zulassen	✓

Separate settings ratings for all different movie rating systems

And all the other rating systems...



## OIPF provides one way to handle this

Uses JavaScript objects:

ParentalRating , ParentalRatingCollection ,

ParentalRatingScheme and ParentalRatingSchemeCollection

Multiple schemes can be defined

Scheme URN

Text list of values

```
"urn:mpeg:mpeg7:cs:MPAAParentalRatingCS:2001" ,
```

```
"G,PG,PG-13,R,NC-17,NR"
```

```
"urn:oiptvf:GermanyFSKCS" ,
```

```
"0,6,12,16,18"
```

## So far, so good, but...

- § Covers only one media type at the moment
  - § If I can watch PG-13 videos, what music can I hear?
- § Only works with officially rated content
- § Setting needs to be available for that specific combination
  - § If I set my box to "NC-17", can I watch an FSK 16 movie?
- § Threshold system can't handle non-linear rating sub-ratings
  - § Violence (V) Language (L) Sexual content (S) Suggestive dialogue (D) Fantasy violence (FV)
  - § OIPF has additional flags for disturbing scenes, portrayals of discrimination, illegal drug use and strobing.

## What would be useful...

§ Capability of reading device setting from within browser

§ W3C Standard

§ Probably from DAP Working Group

§ Access to device settings

§ Region

§ Rating Scheme

§ Setting

And...

# What would be useful...

Additionally:

- § Something that allows reacting to sub-ratings  
(I may not mind suggestive dialogue, but may draw the line at violence and strobing.)
- § Something that allows application developers to adapt their applications
  - § Current system is aimed at block/allow, but not at adapting
  - § Current system is based on external rating agency
  - § Handling each media type separately doesn't make much sense for web pages
  - § Official rating of content does not work well in a **World**



§ Something simple

§ In most cases, it boils down to:

§ Kid

§ Older Kid

§ Adolescent

§ Adult

§ Or "Strict", "Moderate" and "None" for filters



# Thank You...



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