

world **dab**

**WorldDAB's work in
implementation - an update**

WorldDAB's work in implementation - an update

Nick Piggott
Project Director
RadioDNS

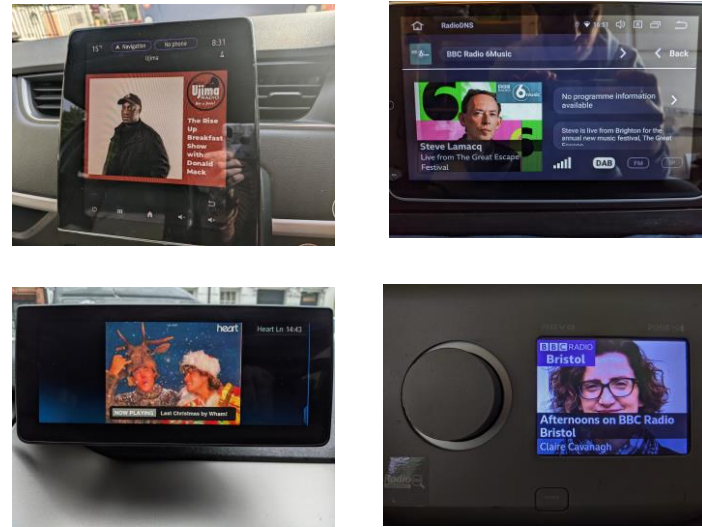
Gregor Pötzsch
Product Owner, Radio
CARIAD

From Standards to Implementations

Standards Technical Committee



Implementations Automotive Group



Guidelines help turn Standards into great Implementations

Standards

Technical Committee Automotive Group

Guidelines

Automotive Group

Implementations

Automotive Group

ETSI TS 101 499 v3.1.1
TECHNICAL SPECIFICATION
Hybrid Digital Radio (DAB, DRM, Radio
SideShow)
User Application Specification

ETSI TS 102 818-1
TECHNICAL SPECIFICATION
Hybrid Digital Radio (DAB, DRM, Radio
SideShow)
XML Specification for Service
Programme Information (SPI)

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WorldDAB Driver Distraction
Guidelines
June 2022 -

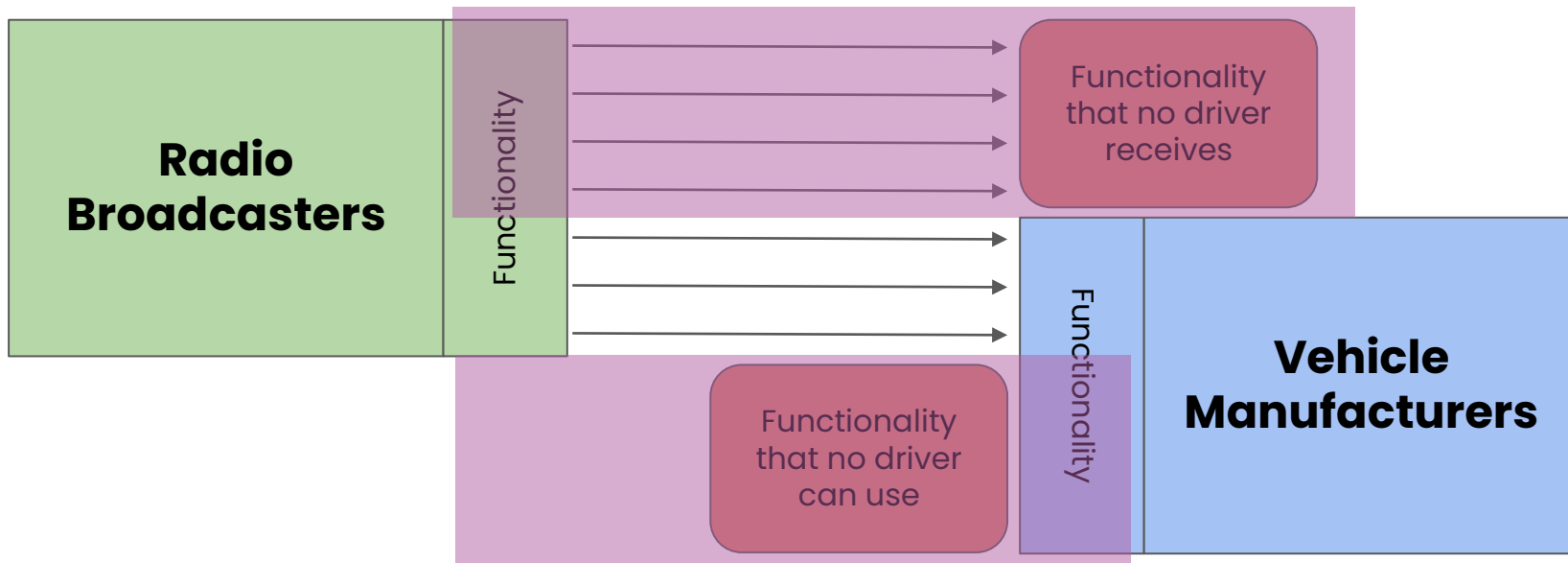
world **dab**
WorldDAB Automotive
DAB Digital Radio
In-car User Experience Guidelines
January 2022

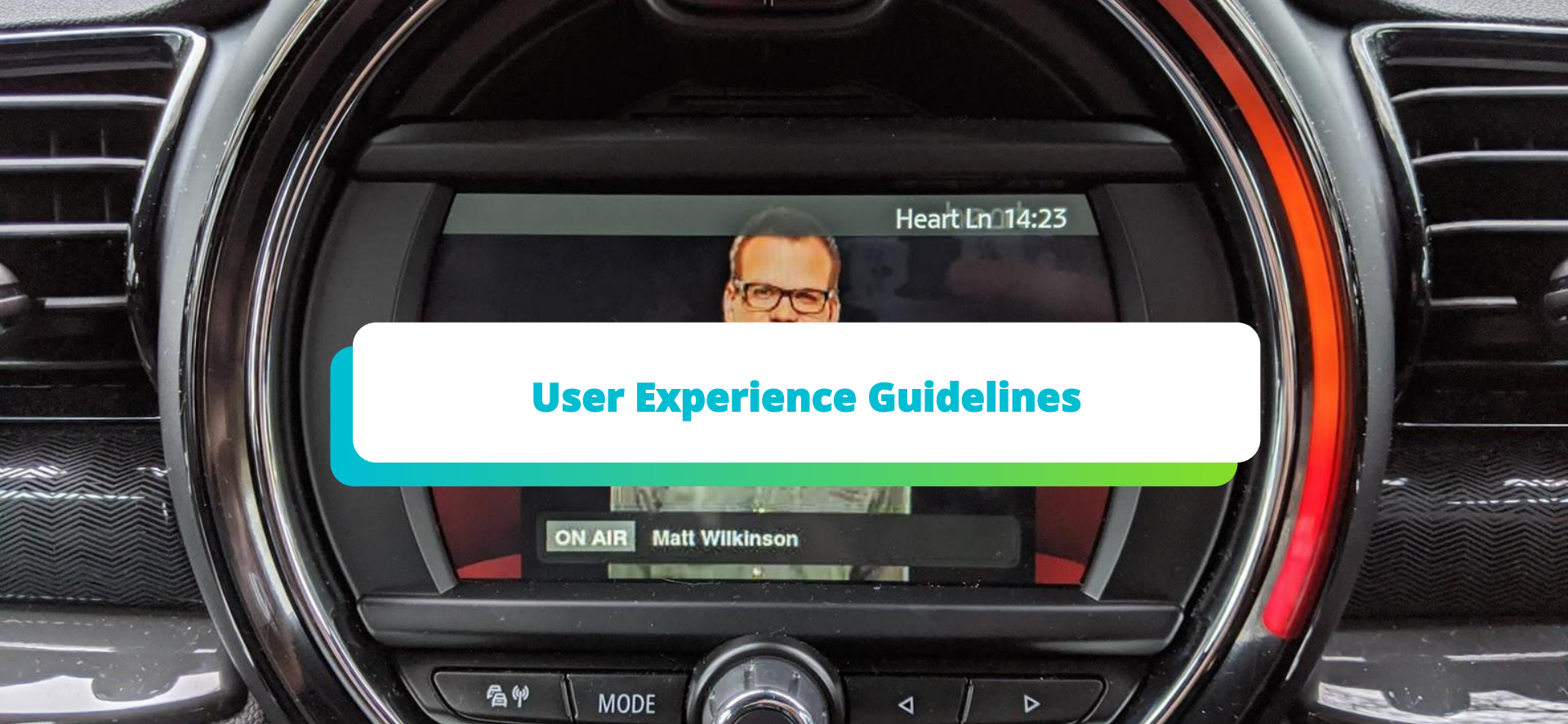
world **dab** Radio **ONS**
HYBRID RADIO
Guidelines to Aliases &
Phonemes
A How To Guide for
Broadcasters and Manufacturers

Provision of Station Logos to Automotive Receivers
How broadcasters with services on FM or DAB can supply and update brand logos, and
how automotive manufacturers can use them

RadioDAB
BBC Radio 6Music
Steve Lamacq
Live from The Great Escape
Festival

Radio
BBC Radio
Bristol
Afternoons on BBC Radio
Bristol
Claire Cavahagh





User Experience Guidelines

How should radio be presented to drivers

Harmonised between **WorldDAB** and **NABA**

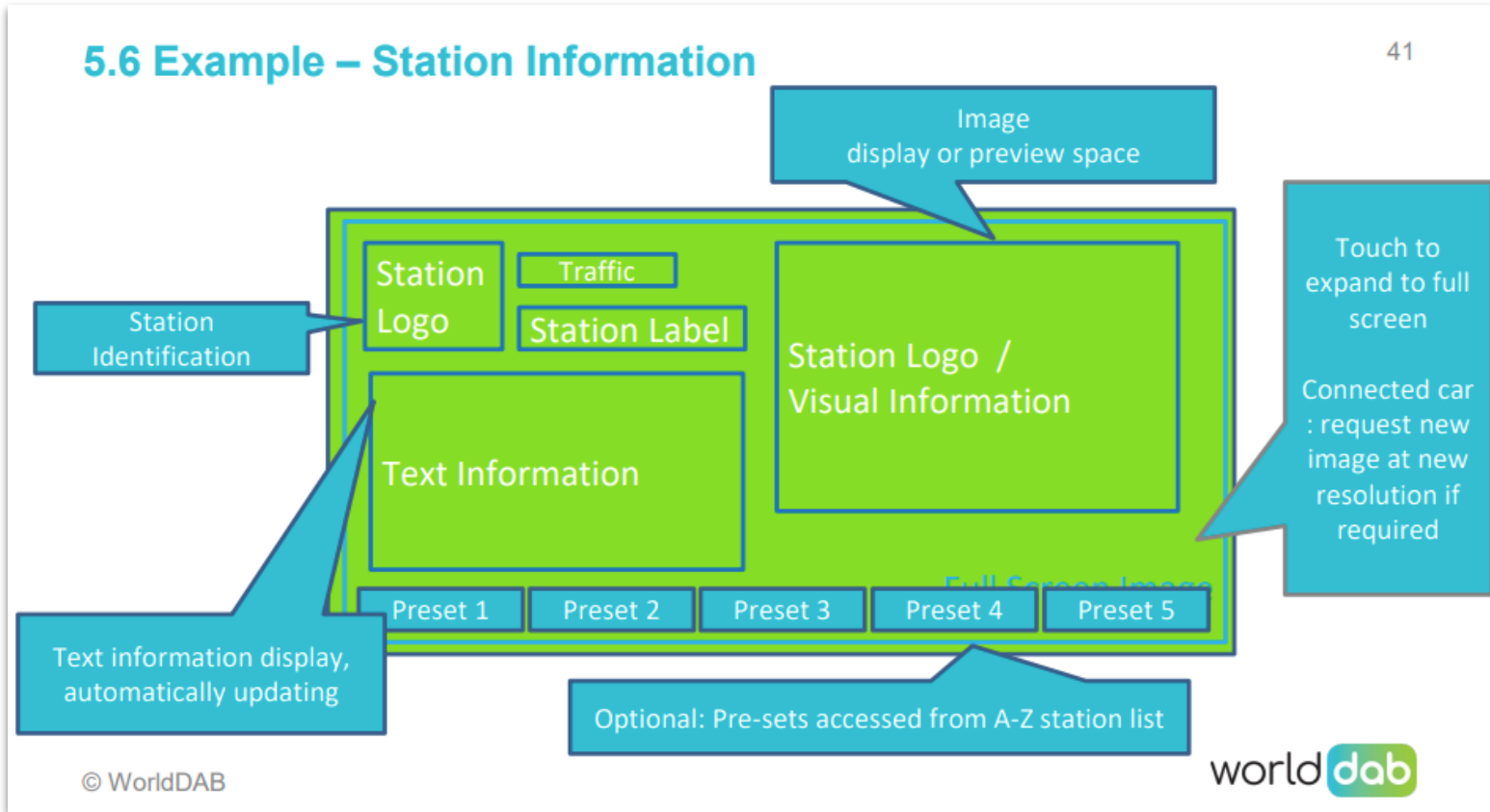
Expected **designs, behaviours** and **actions**

Integration with environments like **Apple Carplay** and **Android Auto**

How to implement **Hybrid Radio** standards

Support for **voice assistants**

Example layout wireframe





Driver Distraction Guidelines

In 1 second a car travels 15m at 50km/h

How to reduce distraction risks

How to surface more information to the driver **without distraction**

How broadcasters should **author** content

How manufacturers should **present** content

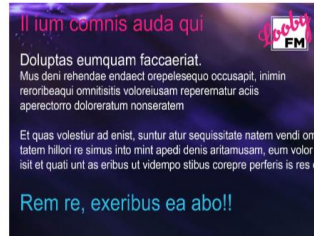
Establishing **common understanding**

Examples of Good and Bad Practice of Slide Show feature

Example Visuals



- ✗ Text size is not legible
- ✗ Too much text to read in 1 second
- ✗ Background is very busy



- ✗ Text positioning is poor (overflows)
- ✗ Too much text to read in 1 second

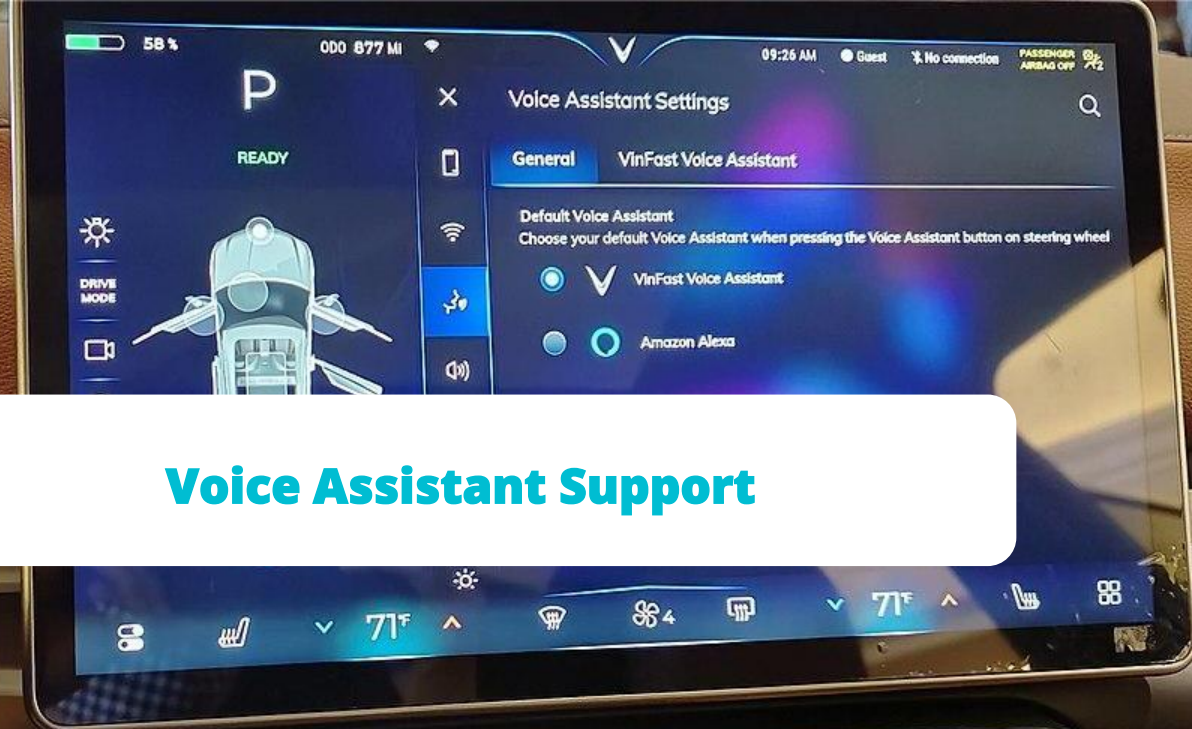
Example Visuals



- ✓ Text is legible
- ✓ Artist photo is clear / good quality
- ✓ Everything can be understood in 1 second



- ✓ Text is legible
- ✓ Album art is clear / good quality
- ✓ Everything can be understood in 1 second



Voice Assistant Support

Voice Assistant Support



Guidelines to Aliases & Phonemes

A How To Guide for
Broadcasters and Manufacturers

How radio stations should provide specific metadata to improve **Voice Assistant** functionality

How OEMs should optimise Voice Assistant behaviour for **radio stations**




Radio Station Logos

Correctly using Radio Station Logos

world **dab** **RadioDNS**
HYBRID RADIO

Provision of Station Logos to Automotive Receivers

How broadcasters with services on FM or DAB can supply and update brand logo, and how automotive manufacturers can use them



The image contains four photographs of car interiors, each showing a different model of a car's dashboard and steering wheel. The radio displays in each car show a different station logo, illustrating how these logos are used in automotive receivers.

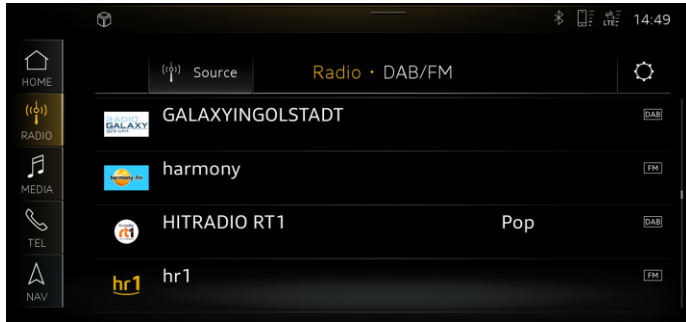
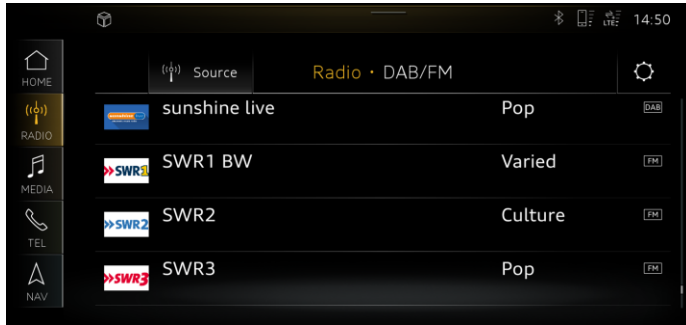
How to author, source and use radio station logos

Guidance for broadcasters and OEMs

Using logos incorrectly is a major concern for broadcasters

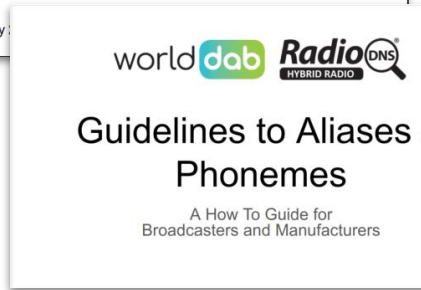
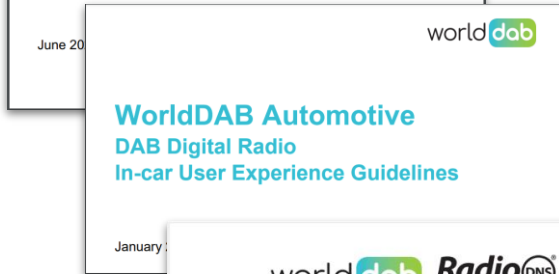
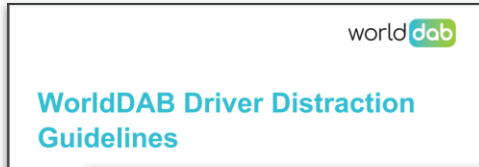
OEMs should review how their handling logos now and change if it's not compliant

Radio Station logos are easy to acquire officially



Various sizes
and aspect
ratios available -
**use the one
that fits best**

Summary



Guidelines help turn detailed standards into great implementations

Please refer to them, and make sure your teams know about them as a key reference