

WorldDAB Position Paper on 'Announcement' feature

WorldDAB Module 1, covering Services and Equipment, has studied the potential use of the Announcement support feature in DAB and proposes the following uses of this feature. It concludes that the following notes will assist both broadcasters and consumer electronics manufacturers to develop their Digital Radio services and equipment, together offering improved end-user performance.

- In DAB transmissions, the Announcement support feature (ASU) provides a mechanism for vectoring a receiver to other services carrying a specifically flagged editorial category of programme, without user intervention, once the feature has been pre-set by the user.
- The use of this feature may be considered analogous to the RDS TP/TA flags combination, where a receiver is vectored to a spoken traffic announcement just for its duration and then returned to the original programme source. (Again under user pre-selection control.)
- In DAB, the ASU feature already has a number of specific programme categories defined in ETS 300 401: May 1997. This Position Paper introduces some additional categories, which should be incorporated into the next revision of the ETS, but could now be implemented, with no backwards compatibility difficulty. Furthermore this paper defines both 16 character and 8 character displays, in a number of languages, for these codes, to allow harmonized design of Digital Radio HMI displays to proceed.
- The DAB ASU feature should *only* be used to 'flag' short bulletins of information. Generally, a single ASU flagging should be less than five minutes in duration.
- In DAB, the Programme Type (PTy) coding feature offers an opportunity to label programmes and their content. PTy codes can be used for items of any duration. The dynamic use of PTy coding offers much higher value to the end-user than static use of PTy coding. Dynamic PTy coding is thus strongly encouraged.
- All broadcasters are urged to implement both the ASU *and* PTy coding of all programmes, to provide a fully featured set of information about their programmes, giving their end-users more information about the 'flavour' of programmes available.

ends

...continued

WorldDAB Information and Registration Centre

References:

WorldDAB M1/223 rev 3 and 4 - Geneva Meeting	1998-11-10
WorldDAB M1/240 - London Meeting report	1999-03-16
ETS 300 401: Second Edition – Sections 8.1.5 and 8.1.6.1	1997-05

Approved:

WorldDAB Steering Board	1999-09-09
--------------------------------	------------

Annexes:

A:	ETS 300 401 referenced to additional types and WorldDAB/Eureka 147 descriptions
B:	Proforma for 16 character and 8 character displays
C:	Danish Language 16 character and 8 character displays
D:	Dutch Language 16 character and 8 character displays
E:	English Language 16 character and 8 character displays
F:	French Language 16 character and 8 character displays
G:	German Language 16 character and 8 character displays
H:	Norwegian 16 character and 8 character displays
J:	Spanish 16 character and 8 character displays
K:	Slovenian 16 character and 8 character displays
L:	<i>RESERVED FOR:</i> Turkish 16 character and 8 character displays
M:	Swedish 16 character and 8 character displays

Document History:

Date:	Status:	Document no:	Held as:
1999-03-31	Draft	WPP 002	BMV>C:\Data\WPdocs\WorldDAB IRC\WPP 002.doc
1999-06-08	Draft	WPP 002	BMV>C:\Data\WPdocs\WorldDAB IRC\WPP 002_1.doc
1999-09-16	Final	WPP 002	Dorta>D:\My Documents\WorldDAB\WIRC\WPP\WPP 002_02.pdf

WordDAB Information and Registration Centre

Annex A

ETS 300 401: Second Edition, referenced to additional types and WorldDAB/Eureka 147 descriptions

Bit Flag	Announcement type - as described in ETS 300 401, May 1997, table 29, page 107	Announcement type - as proposed by WorldDAB M1/Eureka 147
b ₀	Alarm	Alarm
b ₁	Road Traffic flash	Road Traffic flash
b ₂	Transport flash	Transport flash
b ₃	Warning/Service	Warning/Service
b ₄	News flash	News flash
b ₅	Area weather flash	Area weather flash
b ₆	Event announcement	Event announcement
b ₇	Special event	Special event
b ₈	Reserved for future definition	Programme Information
b ₉	Reserved for future definition	Sport report
b ₁₀	Reserved for future definition	Financial report
b ₁₁	Reserved for future definition	Reserved for future definition
b ₁₂	Reserved for future definition	Reserved for future definition
b ₁₃	Reserved for future definition	Reserved for future definition
b ₁₄	Reserved for future definition	Reserved for future definition
b ₁₅	Reserved for future definition	Reserved for future definition

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Description - WorldDAB/Eureka 147 description, to help programme editors determine appropriate usage
b ₀	Alarm	Information about a serious or even life-threatening situation such as: nuclear fallout or war.
b ₁	Road Traffic flash	Information about problems on the road.
b ₂	Transport flash	Information concerning Public Transport, such as: schedules of buses, ferries, planes or trains.
b ₃	Warning/Service	Information about incidents of less importance than Alarm Announcements, such as: disruption of power or water supplies.
b ₄	News flash	News bulletin
b ₅	Area weather flash	Weather bulletin
b ₆	Event announcement	Information about commercial, cultural or public events.
b ₇	Special event	Information on unscheduled or previously unforeseen events.
b ₈	Programme Information	Information about current or future radio broadcasts or programmes.
b ₉	Sport report	Bulletin of news about sport.
b ₁₀	Financial report	Bulletin of news about finance or business.
b ₁₁	Reserved for future definition	Reserved for future definition
b ₁₂	Reserved for future definition	Reserved for future definition
b ₁₃	Reserved for future definition	Reserved for future definition
b ₁₄	Reserved for future definition	Reserved for future definition
b ₁₅	Reserved for future definition	Reserved for future definition

WordDAB Information and Registration Centre

Annex B

Proforma for 16 character and 8 character displays

The table below may be used to complete both 16 character and 8 character displays, for a single language. It should contain widely accepted words or abbreviations in that language. Note that sometimes this will require co-ordination between several countries using the same language. These display characters should be selected for use on receiver displays to ensure easy understanding and comprehension, by a native speaker.

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Language: _ _ _ _ _ 16 characters	Language: : _ _ _ _ _ 8 characters
b ₀	Alarm		
b ₁	Road Traffic flash		
b ₂	Transport flash		
b ₃	Warning/Service		
b ₄	News flash		
b ₅	Area weather flash		
b ₆	Event announcement		
b ₇	Special event		
b ₈	Programme Information		
b ₉	Sport report		
b ₁₀	Financial report		
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

Contributing organisations:

WordDAB Information and Registration Centre

Annex C

Danish language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Danish 16 characters	Danish 8 characters
b ₀	Alarm	Alarm	Alarm
b ₁	Road Traffic flash	Trafik	Trafik
b ₂	Transport flash	Kollektiv_Trafik	Trafik
b ₃	Warning/Service	Advarsel	Advarsel
b ₄	News flash	Nyheder	Nyheder
b ₅	Area weather flash	Vejret	Vejret
b ₆	Event announcement	Arrangementer	Arrangementer
b ₇	Special event	Begivenhed	Begivenhed
b ₈	Programme Information	Radio_info	Radio_info
b ₉	Sport report	Sport	Sport
b ₁₀	Financial report	Økonomi	Økonomi
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex D

Dutch language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Dutch 16 characters	Dutch 8 characters
b ₀	Alarm	Alarm	Alarm
b ₁	Road Traffic flash	Verkeersinfo	Verkeer
b ₂	Transport flash	Openbaar_vervoer	Openb.V.
b ₃	Warning/Service	Waarschuwing	Opgelet
b ₄	News flash	Nieuwsbericht	Nieuws
b ₅	Area weather flash	Weerbericht	Het_weer
b ₆	Event announcement	Melding	Melding
b ₇	Special event	Speciaal bericht	Speciaal
b ₈	Programme Information	Radio-informatie	Radio_Inf
b ₉	Sport report	Sportbericht	Sport
b ₁₀	Financial report	Financieel	Financ.
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex E

English language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	English 16 characters	English 8 characters
b ₀	Alarm	Alarm	Alarm
b ₁	Road Traffic flash	Traffic_News	Traffic
b ₂	Transport flash	Transport News	Travel
b ₃	Warning/Service	Warning	Warning
b ₄	News flash	News	News
b ₅	Area weather flash	Weather	Weather
b ₆	Event announcement	Event	Event
b ₇	Special event	Special_event	Special
b ₈	Programme Information	Radio_info	Rad_info
b ₉	Sport report	Sports_news	Sports
b ₁₀	Financial report	Financial_news	Finance
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex F

French language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	French 16 characters	French 8 characters
b ₀	Alarm	Alerte_générale	Alerte
b ₁	Road Traffic flash	Trafic_routier	Trafic
b ₂	Transport flash	Transport/commun	Transpor
b ₃	Warning/Service	Incidents	Incident
b ₄	News flash	Les_actualités	Nouvelle
b ₅	Area weather flash	Flash_Météo	Météo
b ₆	Event announcement	Évènement	Flash
b ₇	Special event	Flash_spécial	Spécial
b ₈	Programme Information	Infos_radio	Info_rad
b ₉	Sport report	Infos_sport	Sport
b ₁₀	Financial report	Financier	Finances
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex G

German language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	German 16 characters	German 8 characters
b ₀	Alarm	Alarm	Alarm
b ₁	Road Traffic flash	Verkehr	Verkehr
b ₂	Transport flash	Reisen	Reisen
b ₃	Warning/Service	Warnung	Warnung
b ₄	News flash	Aktuelles	Aktuell
b ₅	Area weather flash	Wetter	Wetter
b ₆	Event announcement	Service	Service
b ₇	Special event	Eilmeldung	Eilmeld
b ₈	Programme Information	Programm_Info	Prog_Inf
b ₉	Sport report	Sport	Sport
b ₁₀	Financial report	Wirtschaft	Wirtsch
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex H

Norwegian language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Norwegian 16 characters	Norwegian 8 characters
b ₀	Alarm	ALARM	ALARM
b ₁	Road Traffic flash	Veitrafikk	Trafikk
b ₂	Transport flash	Rutetrafikk	Ruteinfo
b ₃	Warning/Service	Service	Service
b ₄	News flash	Nyheter	Nyheter
b ₅	Area weather flash	Vær	Vær
b ₆	Event announcement	Arrangementer	Arrangem
b ₇	Special event	I_dag	I_dag
b ₈	Programme Information	Programinfo	Proginfo
b ₉	Sport report	Sportsnytt	Sport
b ₁₀	Financial report	Økonominytt	Økonomi
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

Annex J

Spanish language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Spanish 16 characters	Spanish 8 characters
b ₀	Alarm	Alarma	Alarma
b ₁	Road Traffic flash	Info_Tráfico	Tráfico
b ₂	Transport flash	Info_Viaje	Viaje
b ₃	Warning/Service	Aviso	Aviso
b ₄	News flash	Noticias	Noticias
b ₅	Area weather flash	Meteorología	Meteo
b ₆	Event announcement	Suceso	Suceso
b ₇	Special event	Suceso_Extraord	Extraord
b ₈	Programme Information	InformacionRadio	InfRadio
b ₉	Sport report	Deportes	Deportes
b ₁₀	Financial report	Economía	Economía
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex K

Slovenian language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Slovenian 16 characters	Slovenian 8 characters
b ₀	Alarm	Alarm	Alarm
b ₁	Road Traffic flash	Promet	Promet
b ₂	Transport flash	Javni_prevoz	Prevozi
b ₃	Warning/Service	Opozorilo	Pozor
b ₄	News flash	Vest	Vest
b ₅	Area weather flash	Vreme	Vreme
b ₆	Event announcement	Dogodek	Dogodek
b ₇	Special event	Izredni_dogodek	Nujno
b ₈	Programme Information	Radio_program	Radio
b ₉	Sport report	Sport	Sport
b ₁₀	Financial report	Finance	Finance
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex L

RESERVED FOR: Turkish language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Turkish 16 characters	Turkish 8 characters
b ₀	Alarm	<i>AWAITING</i>	<i>AWAITING</i>
b ₁	Road Traffic flash	<i>CONFIRMATION</i>	<i>CONFIRMATION</i>
b ₂	Transport flash	<i>OF</i>	<i>OF</i>
b ₃	Warning/Service	<i>ACCENTED</i>	<i>ACCENTED</i>
b ₄	News flash	<i>CHARACTERS</i>	<i>CHARACTERS</i>
b ₅	Area weather flash	<i>- PRINTING</i>	<i>- PRINTING</i>
b ₆	Event announcement	<i>COMPATIBILITY</i>	<i>COMPATIBILITY</i>
b ₇	Special event	<i>CHALLENGES</i>	<i>CHALLENGES</i>
b ₈	Programme Information	<i>HAVE</i>	<i>HAVE</i>
b ₉	Sport report	<i>BEEN</i>	<i>BEEN</i>
b ₁₀	Financial report	<i>ENCOUNTERED</i>	<i>ENCOUNTERED</i>
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.

WordDAB Information and Registration Centre

Annex M

Swedish language: 16 character and 8 character displays

Bit Flag	Announcement type - as proposed by WorldDAB M1/Eureka 147	Swedish 16 characters	Swedish 8 characters
b ₀	Alarm	!!LARM!!	!!LARM!!
b ₁	Road Traffic flash	Vägtrafikinfo	Väginfo
b ₂	Transport flash	Kollektivtrafik	Koll.tra
b ₃	Warning/Service	Serviceinfo	Service
b ₄	News flash	Nyheter	Nyheter
b ₅	Area weather flash	Väder	Väder
b ₆	Event announcement	Evenemangsinfo	Evenema
b ₇	Special event	Extrasändning	Extra
b ₈	Programme Information	Programinfo	Prgminfo
b ₉	Sport report	Sportnyheter	Sportnyh
b ₁₀	Financial report	Ekonominyheter	Ekonomi
b ₁₁	Reserved for future definition	tba	tba
b ₁₂	Reserved for future definition	tba	tba
b ₁₃	Reserved for future definition	tba	tba
b ₁₄	Reserved for future definition	tba	tba
b ₁₅	Reserved for future definition	tba	tba

Notes: The notation _ is used to indicate the 'space' character. LARGE and small characters may be used in a continuous string and the various punctuation marks, including the 'full stop' may also be used.