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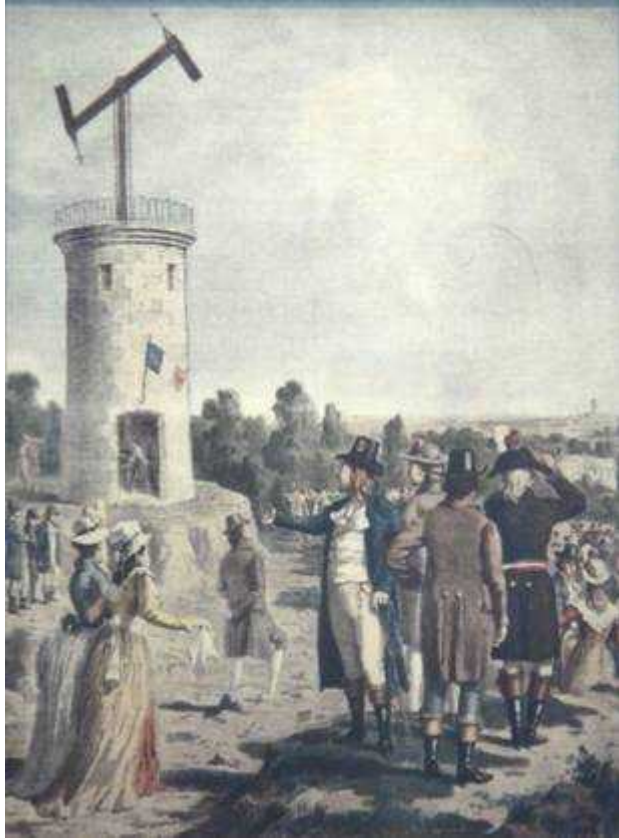
μ

28

$\mu \quad \mu$

29

31



μ

μ

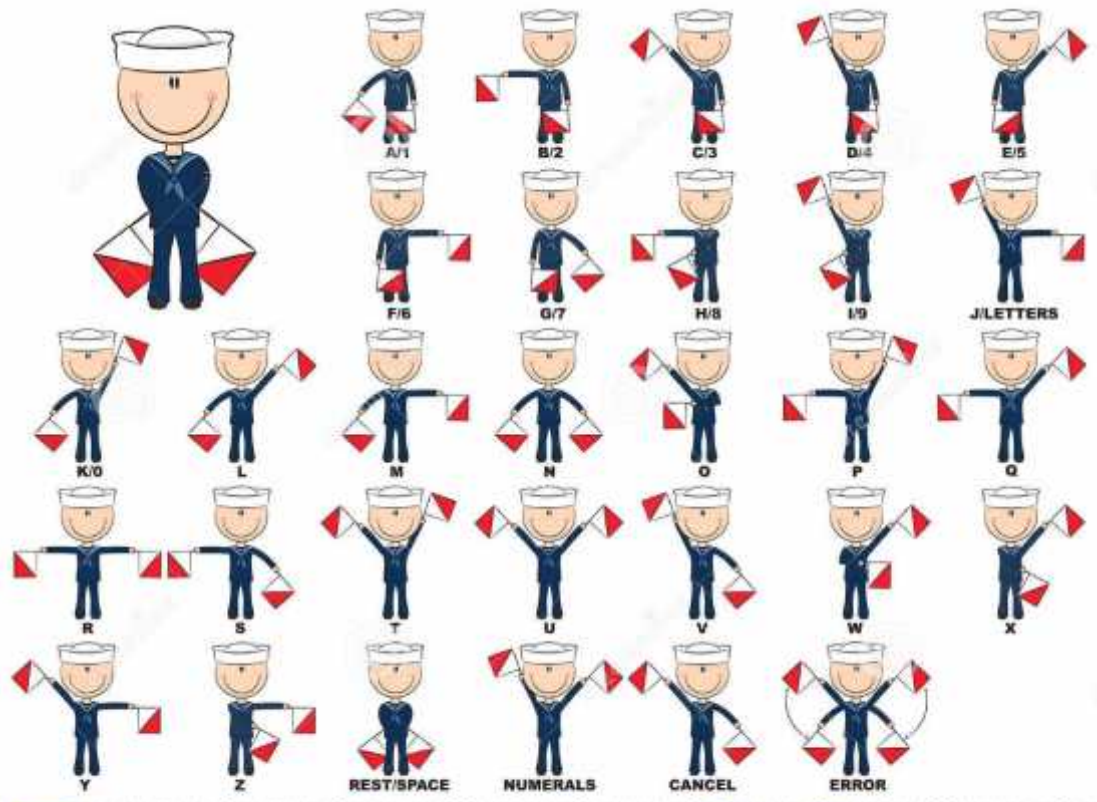
(μ μ)

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This enhancement was made in the processing pipeline only.



24736255

Ирина Добросынскинд275a | Dreamstime.com



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Γράμμα	Κωδικοποίηση σε Μορς	Μνημονικός Κανόνας
Α	· —	ΑΝ
Β	— · · ·	ΒΑΟΥ
Γ	— — ·	ΓΡΙ
Δ	— · ·	ΔΙΑ
Ε	·	ΕΙΣΗ ΤΜΟΧ
Ζ	— — · ·	ΤΖΙΑ
Η	· · · ·	ΕΙΣΗ ΤΜΟΧ
Θ	— · — ·	ΘΕΜΑ
Ι	· ·	ΕΙΣΗ ΤΜΟΧ
Κ	— · —	ΚΟΚ
Λ	· — — ·	ΕΛΙΑ
Μ	— —	ΕΙΣΗ ΤΜΟΧ
Ν	— ·	ΝΑ
Ξ	— · · —	ΞΟΥΤ
Ο	— — —	ΕΙΣΗ ΤΜΟΧ
Π	· — — ·	ΑΡΠΑ
Ρ	· — ·	ΑΡΑ
Σ	· · ·	ΕΙΣΗ ΤΜΟΧ
Τ	—	ΕΙΣΗ ΤΜΟΧ
Υ	— · — —	ΛΥΝΕ
Φ	· · — ·	ΟΥΦΑ
Χ	— — — —	ΕΙΣΗ ΤΜΟΧ
Ψ	— — · —	ΧΛΕΨ
Ω	· — —	ΩΧΡ

1922: . . . 1923

1923: μ , , ,

1925: μ , μ μ μ μ

1926: μ μ

μ 'The New Antwerp Telephone and Electrical Works',
 (. . .).

8 1930: μ μ Siemens & halske,
 . . . & .W.

μ μ ,

μ ,

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6-5-1930.

1931: μ

1932-1934: μ , μ

1940-1944: , μ μ , μ μ ,

μ μ ,

1946-1949: , μ , μ .

1946: 75% μ μ μ .



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μ μ (, instant message)

(skype)

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1908 Albert Jahnke, 1918
 1926 1907 1931
 comic strips
 Conrad's Ride To The South Sea Erich Käster.
 1940 1946,
 1961
 1965 Radioelektronika 70
 15



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xG, 0G
 Mobile Telephone Service AT&T 5.000
 ... 36 !
 walkie-talkie,
 1959
 1972. “ ”
 Motorola, μ John F. Mitchell 1973 μ Martin Cooper

μ , μ μ . μ .



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1G

“ ”

1979

1981

μ , μ 1983, μ 1986
 μ 1987. , μ μ
 μ 2008, , .

2G

CDMA.

μ : GSM

μ , μ μ

μ μ SMS μ . GSM μ 1991 μ
 ringtones), μ μ μ (. .
 1999 NTT DoCoMo μ μ .
 Internet μ .



GSM

3G

μ μ data
μ μ
μ μ
(
μ μ **3G**
0,3 μ 0,4 kbps, μ μ 14.0 Mbps,
μ
2007 9% μ
internet
media streaming μ
internet μ

4G

μ 4
WiMAX μ LTE. μ
TeliaSonera. μ
μ 300 Mbps, μ
μ IP. μ
μ μ



smartphone IBM

smartphone

μ μ **smartphone_** ,
1909
Tesla, μ μ 1971 μ , 1974 μ Boeing
μ μ
μ μ
μ IBM μ smartphone
μ COMDEX 1992, μ μ PDA.
μ Simon Personal Communicator 1993

1994. Communicator AT&T, smartphone μ 1995 PhoneWriter .



Nokia 9000 Communicator μ smartphone μ .

PDA μ smartphone



Android smartphone μ μ .

smartphone μ , PDA (Personal Digital Assistant)

BlackBerry OS Windows CE/Pocket PC. μ Palm OS, μ

1996 HP DOS , OmniGo 700LX, μ μ Nokia 2110 μ , email fax.

1996 μ Nokia 9000 Communicator PDA μ

GEOS V3.0 μ μ Nokia 2110 μ , μ , μ

“ μ ” μ μ . T 1999 μ Qualcomm μ pdQ Smartphone, 2000

Ericsson μ R380, Palm 2001 μ Kyocera 6035. μ μ Symbian

Psion, BlackBerry OS, 2010, iOS, Android, Symbian

smartphone

2006 smartphone, Nokia N. 2007 iPhone, 2008 Android, app stores, Microsoft BlackBerry, webOS, Palm, HP, 2010 smartphone, Microsoft Windows Phone, Nokia smartphones. Symbian, Microsoft, LG,

Android



Android, open source, 2003 Andy Rubin, Google, Intel, HTC, ARM, Motorola, LG, Samsung, Open Handset Alliance, HTC Dream, Google Play Store, Android Market.

smartphone μ , 2010 μ μ . μ

iOS



iPhone

smartphone.

Apple

iPhone. μ , μ 2007 μ μ , μ , capacitive μ resistive μ μ . 2008 μ App Store μ 1 μ μ downloads μ 2015.

Windows Phone



Windows Phone 7 μ

Microsoft , HTC μ .

Windows Phone

Microsoft Windows CE, μ Windows μ , μ Windows NT μ Windows 8 μ Windows 10 μ , μ desktop, laptop, Xbox One, tablets μ smartphones.

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