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Militärische Kommunikationstechnik Mobile militärische Kommunikationsnetze Jane's International Defense Review Index of Specifications and Standards Frequency Handbook for Radio Monitoring Jane's All the World's Aircraft Government Reports Announcements & Index Gunnar Teege Gunnar Teege Roland Proesch
Militärische Kommunikationstechnik Mobile militärische Kommunikationsnetze Jane's International Defense Review Index of Specifications and Standards Frequency Handbook for Radio Monitoring Jane's All the World's Aircraft Government Reports Announcements & Index *Gunnar Teege Gunnar Teege Roland Proesch*

wer heute von funknetzen spricht meint damit meist ein wlan nur wenige denken noch an die mobilfunknetze umts oder gsm daß auch im bereich der behörden und organisationen mit sicherheitsaufgaben ein hoher bedarf an mobiler kommunikation besteht und insbesondere die bundeswehr sowie nato partner ihre eigenen technologien entwickelt haben ist nur wenigen bewußt dabei haben gerade diese organisationen sehr hohe technische anforderungen die zu interessanten lösungen führen so müssen bei internationalen einsätzen wie dem schutz von frachtern vor piraten vor der küste somalias lagedaten schnell und sicher nach deutschland und befehle zurück übertragen werden dabei sind höchste sicherheitsanforderungen zu erfüllen um dritten ein abhören der kommunikation unmöglich zu machen gerade für sichere verschlüsselung war das militär lange zeit die treibende kraft auch sind militärische lagen in der regel sehr mobil sogar die gesamte notwendige infrastruktur muß vor ort aufgebaut werden schnell verlastbar sein und auch unter widrigen bedingungen funktionieren das sind anforderungen die in abgemilderter form auch den katastrophenschutz oder das technische hilfswerk betreffen heutzutage ist kaum eine armee mehr allein im einsatz stets sind verbündete nationen beteiligt die möglicher weise unterschiedliche standards zum nachrichtenaustausch nutzen durch entsprechende hard und software muß eine interoperabilität zwischen den systemen erreicht werden so daß ein datenaustausch über mehr als nur die drehstuhlschnittstelle möglich ist die daten müssen in geeigneter weise sichtbar gemacht werden dabei haben führungskräfte andere anforderungen an die darstellung als ein einzelner infanterist wie dies technisch durchgängig erreicht werden kann zeigt dieser band auch auf dabei wird ein interessantes spektrum von anwendungen der informatik der technischen informatik und elektrotechnik aufgezeigt eine besonderheit des vorliegenden buches ist daß alle autore

im alltäglichen leben ist mobilkommunikation mittlerweile standard sms und handy telefonate sind kaum mehr wegzudenken im autoradio sorgt rds dafür daß der sendername lesbar angezeigt wird und das navi umfährt staus dank tmc alle diese verfahren nutzen digital codierte nachrichten um informationen zu übertragen Ähnliche probleme und anwendungen hat das militär das hochmobil agieren muß und dabei vielfältigen kommunikationsbedarf hat so müssen befehle den adressaten sicher erreichen und lageinformationen vom einsatzort zur führung gelangen technisch besonders aufwendig ist das bei friedenssicherenden und erhaltenden maßnahmen hier müssen die lagedaten vom weltweiten einsatzort zuverlässig zum zentralen lagezentrum in deutschland gelangen seit vielen jahren sind dazu bei der bundeswehr den nato partnern und verbündeten digitale funksysteme im einsatz die notwendigkeit für digitalfunk ergab sich aus den hohen sicherheitsanforderungen und der notwendigen eindeutigkeit der nachricht denn im vergleich zum klassischen sprechfunk lassen sich digitale nachrichten besser durch verschlüsseln vor lauschern schützen sind bei gleichem informationsgehalt wesentlich kompakter und vermeiden die mehrdeutigkeit einer natürlichsprachigen kommunikation dieser sammelband stellt eine auswahl mobiler militärischer kommunikationssysteme vor damit deckt er ein interessantes grenzgebiet der technischen informatik nachrichtentechnik und der elektrotechnik ab während die bisherigen entwickler und standardisierer der technologien hauptsächlich aus der elektrotechnik kamen zeigt sich mittlerweile immer mehr die notwendigkeit auch spezifisches fachwissen der informatik einzubringen so unterstützt das herausgebende institut für technik intelligenter systeme an der universität der bundeswehr in münchen das it amt der bundeswehr seit einigen jahren vielfältig in technischen fragen know how aus dieser beratung ist ebenso in dieses buch eingeflossen wie hintergrund un

this book shall help shortwave listener to identify stations on shortwave it contains more than 18000 frequencies from 82 hz to 30000 khz

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