

An US Ham Radio licence

Door PA1CJ - KO6GEC

14 oktober 2024



Vakantie



- Mijn Full licentie CEPT niet overal bruikbaar op deze wereld
- CEPT licentie niet geldig in o.a. Thailand
- Nederland heeft geen afspraken met Thailand
- US licentie wordt erkend
- US examen in Nederland kan niet meer.



US examen doen

- Prive examen doen bij een lokale examen vrijwilliger (VE)
- Zaal examen doen op een Ham Beurs



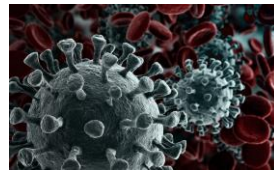
Dayton Hamvention



Friedrichshaven

Club groepsexamen

- En toen kwam Corona.....
- Nu ook Online examen via online VE.



Op zoek naar oplossingen

- Welke studie levels zijn er voor US Radio Zendamateur?
- Waar kan ik studeren en examen doen?
- Hoe werkt een aanmelding bij de FCC (The Federal Communications Commission)?
- Hoe ontvang ik mijn licentie?
- Een Adres in US?
- Hoe te betalen?



De studielevels

- De FCC kent 3 Amateur Radio license levels or license classes.
 - .Technician class license
 - .General class license
 - .Extra class license
- Verplichte volgorde
- Morse Code niet meer verplicht.
- 10 jaar geldig, na 8 jaar verlengen om te behouden



Examenvragen zijn bekend

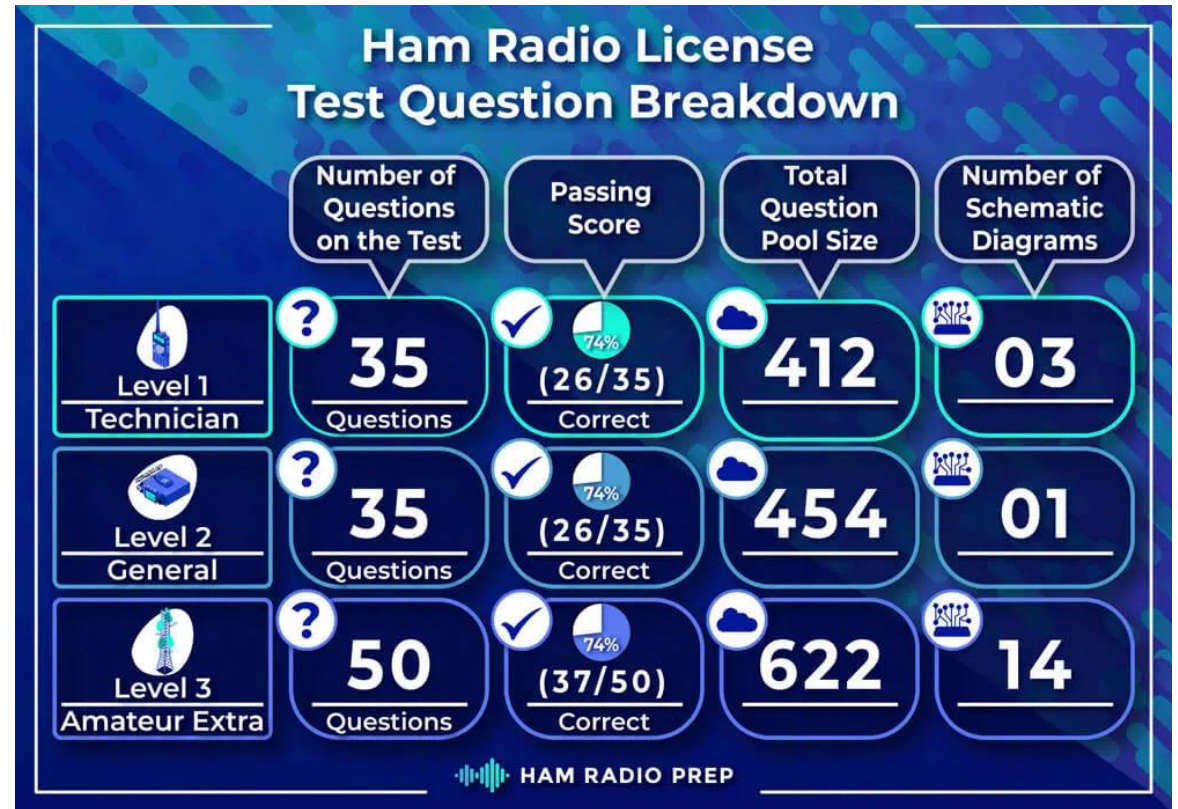


- ARRL - FCC hebben de vragenpools voor 4 jaar bekend gemaakt.
- Deze vragen wijzigen inhoudelijk niet.
- Ook de antwoorden zijn bekend.
- Je raad het al, die wijzigen ook niet.



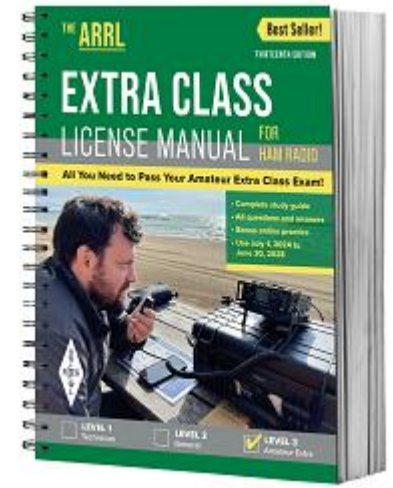
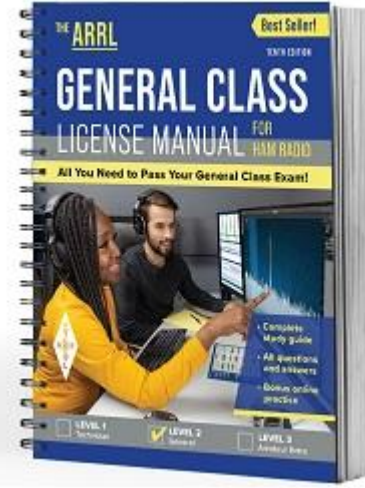
- **TECHNICIAN Class (Element 2) Pool**
1 Juli 2022 – 30 Juni 2026.
- **GENERAL Class (Element 3) Pool**
1 Juli 2023 – 30 Juni 2027.
- **EXTRA Class (Element 4) Pool**
1 Juli 2024 – 30 Juni 2028.

**A passing score of 74%
is required for all exams**



Studie materiaal

- Boeken kopen of Online
- Online training meerdere aanbieders
- Sommige kosten geld
- Een aantal zijn gratis
- Mijn keuze viel op Hamstudy.org



Online Training

- Hamstudy.org online training
- Gratis account aanmaken
- Alle vragen met antwoorden
- Uitleg bij de vragen
- Test examens met uitslagen
- Eventueel mobile app (betaald)



Choose an exam to study for:


Technician (2022 - 2026)


General (2023 - 2027)


Amateur Extra (From Jul 1, 2024)

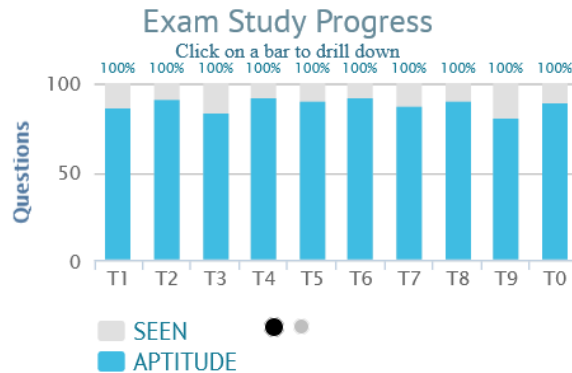
Eenvoudig leren


Technician Class (2022 - 2026) ▾


 Study Mode


 Read Questions

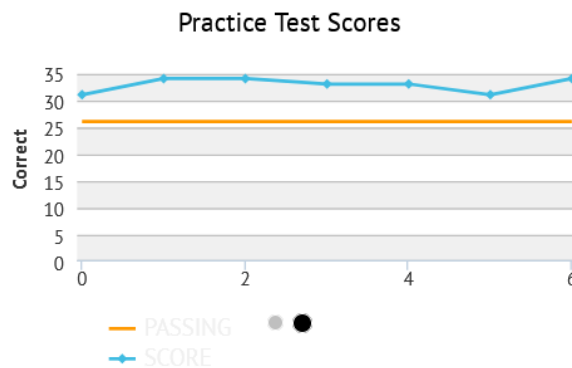
 Practice Test



 Study Mode

 Read Questions

 Practice Test



T6
A03

Correct

What electrical parameter is controlled by a potentiometer?

- A. Resistance
- B. Capacitance
- C. Inductance
- D. Field strength

click the corner for explanation

Next

T8
B10

Incorrect

What is a LEO satellite?

- A. A satellite in low energy operation mode
- B. A sun synchronous satellite
- C. A highly elliptical orbit satellite
- D. A satellite in low earth orbit

[Show correct answer](#)

click the corner for explanation

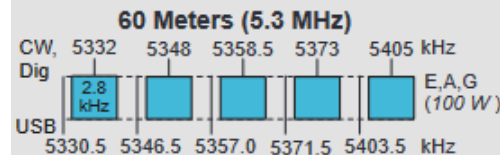
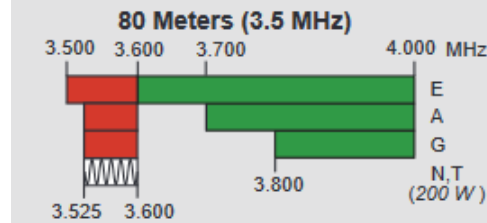
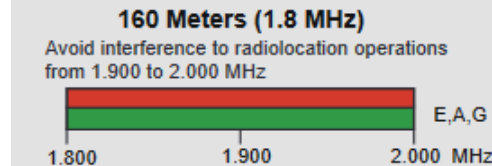
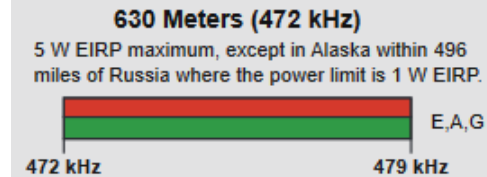
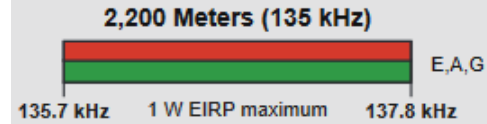
Bandplan

US Amateur Radio Bands

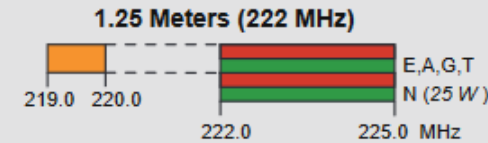
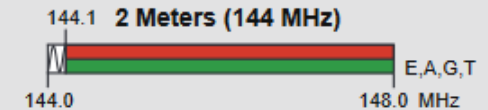
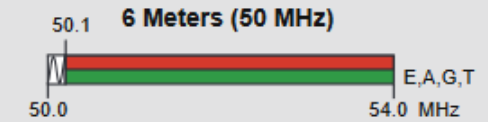
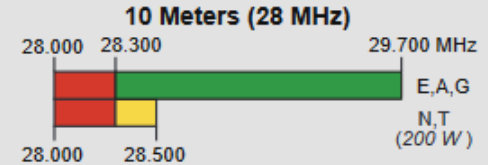
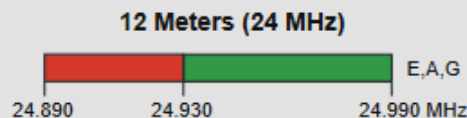
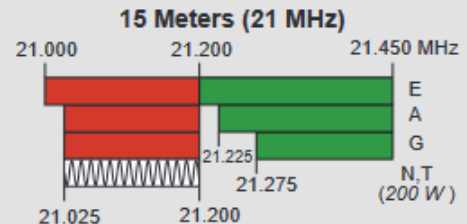
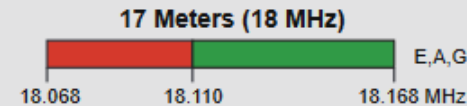
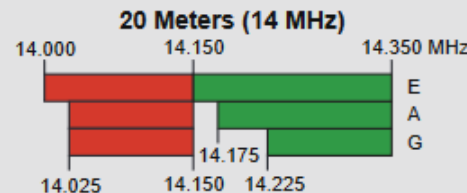
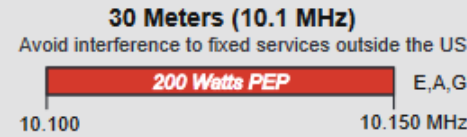
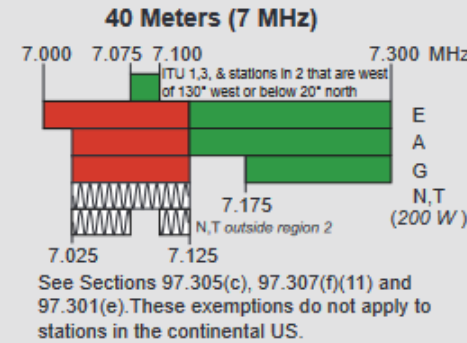
US AMATEUR POWER LIMITS — FCC 97.313 An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.



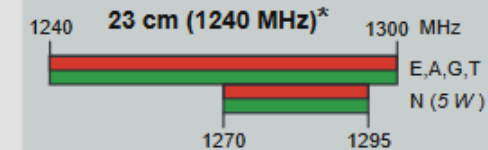
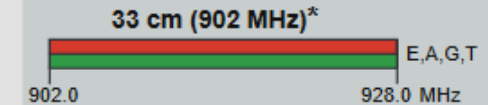
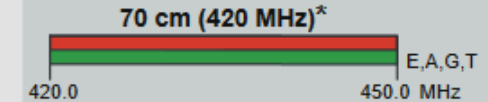
Amateurs wishing to operate on either 2,200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/> You need only register once for each band.



General, Advanced, and Extra licensees may operate on a secondary basis with a maximum ERP of 100 W (relative to a half-wave dipole antenna).



*Geographical and power restrictions may apply to all bands above 420 MHz. See FCC Part 97.303 for information about your area.



All licensees except Novices are authorized all modes on the following frequencies:

2300-2310 MHz	10.0-10.5 GHz ‡	122.25-123.0 GHz
2390-2450 MHz	24.0-24.25 GHz	134-141 GHz
3400-3450 MHz	47.0-47.2 GHz	241-250 GHz
5650-5925 MHz	76.0-81.0 GHz	All above 275 GHz

‡ No pulse emissions

KEY

Note: CW operation is permitted throughout all amateur bands.

MCW is authorized above 50.1 MHz, except for 144.0-144.1 and 219-220 MHz. Test transmissions are authorized above 51 MHz, except for 219-220 MHz

- = RTTY and data
- = phone and image
- = CW only
- = SSB phone
- = USB phone, CW, RTTY, and data
- = Fixed digital message forwarding systems only

- E = Amateur Extra
- A = Advanced
- G = General
- T = Technician
- N = Novice

See www.arrl.org/band-plan for detailed band plans.

ARRL We're At Your Service

ARRL Headquarters:
860-594-0200 (Fax 860-594-0259)
email: hq@arrl.org

Publication Orders:
www.arrl.org/shop
Toll-Free 1-888-277-5289 (860-594-0355)
email: orders@arrl.org

Membership/Circulation Desk:
www.arrl.org/membership
Toll-Free 1-888-277-5289 (860-594-0338)
email: membership@arrl.org

Getting Started in Amateur Radio:
Toll-Free 1-800-326-3942 (860-594-0355)
email: newham@arrl.org

Exams: 860-594-0300 email: vec@arrl.org

Adres in the US

- Shipito.com
- Gratis registratie
- Gratis US adres met box nummer



Sign up and get your Shipito U.S.
Address



2. Shop in any U.S. Store and ship it to
your new U.S. address

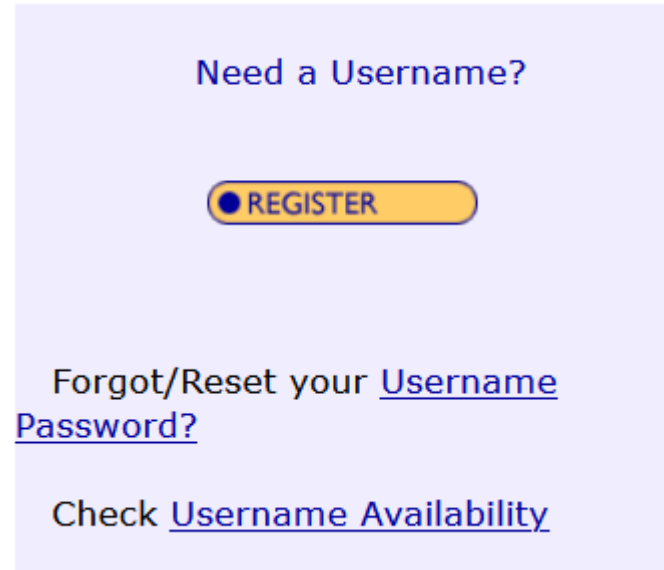


3. Combine your packages and save
money

FCC registratie

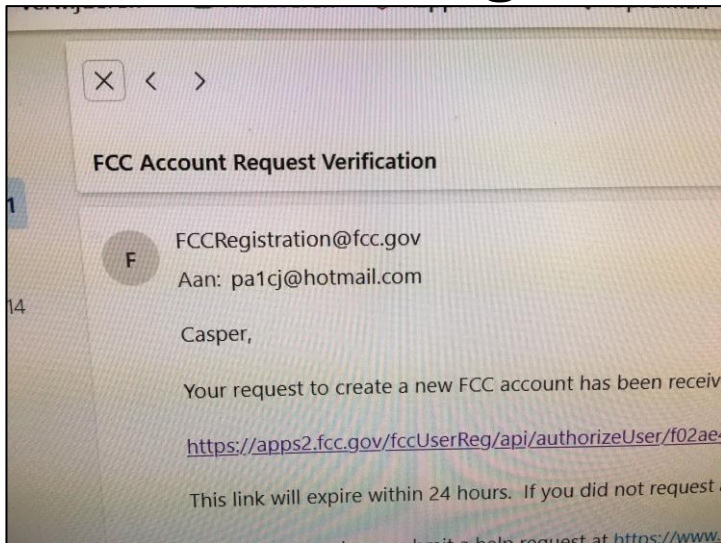
Inloggen in CORES

- <https://apps.fcc.gov/cores/userLogin.do>
- FRN nummer aanmaken
- Register en create New account.
- Let op je email adres, vergeet die niet.
- Telefoonnummer +31 (0) 6123455678 (voorbeeld)
- Adres gegevens = **Internationaal en NL adres**
- Na registratie krijg je een pagina met je FRN nummer.
- Maak kopie of schrijf het nummer op.



Na de FCC registratie

- Email bevestigen



- Geen email ontvangen?

<https://apps2.fcc.gov/fccUserReg/pages/login.htm>

Log In

The Username is the email address associated with your FCC Username Account.

Username:

Password:

Log In

[Forgot/Reset your Password?](#)

[Create New Account?](#)

[Request another verification email?](#)

Examen aanvragen

- De studie en examentraining gedaan?
- Datum en tijd kiezen (let op Nederlandse tijden)
- Aanmelden bij een VE
- US adres gebruiken
- Examenkosten (\$10-\$15)
- Ontvang de uitnodiging en examen instructies.

Waar online examen doen



Choose an exam to study for:



Technician (2022 - 2026) >

General (2023 - 2027) >

Amateur Extra (From Jul 1, 2024) >

Other... ▾

pa1cj ▾

- [Find a Session](#)
- Blog
- Buy the App
- Facebook Page 
-  Sponsored by ICOM



Show:

In-person

Remote

Show full:

Hide

Show

From VEC:















All VECs

Choose ▾

Showing sessions from 2024-10-03 to 2024-12-03.

All times are in the Europe/Amsterdam timezone.

Oct 04, 2024 (Fri)

 PARC Radio & Technology	(remote)	\$15.00
<i>Good Morning Team</i>		Team Filter ->
Choose: 3:00 PM-4:00 PM 4		
 WM7X Test Team	(remote)	\$15.00
 <i>Stop</i>  <i>This is your session. Pick any time from 10 to 10 Eastern.</i>		Team Filter ->
<i>Do It Now! Promoting</i>  <i>Radio-Activity</i>  <i>By Offering Convenient On Demand, Instant, Impromptu, All-Day Testing!</i>		
Choose: 4:00 PM-8:00 PM open		
 N1UVO	(remote)	\$15.00
 <i>Relaxed and FUN testing remote/online</i> 		Team Filter ->
Choose: 5:00 PM-6:00 PM 3		
 South Carolina Exam Team	(remote)	\$15.00
<i>Experienced and On-Demand Friendly Testing</i>		Team Filter ->
Choose: 9:00 PM-10:00 PM 2		
 South Carolina Exam Team	(remote)	\$14.00
<i>Experienced and On-Demand Friendly Testing</i>		Team Filter ->
Choose: 9:00 PM-10:00 PM 2		
 KJ7QZJ	(remote)	\$14.00
 <i>Nationwide</i>  <i>with Friendly, Untimed Exams</i>		Team Filter ->
Choose: 5:00 PM-6:00 PM 4		

Betalingen

- Aanvraag examen bij een VE

Met Paypal 

10\$ – 15\$

Paypal omdat creditcard niet jouw US adres heeft.

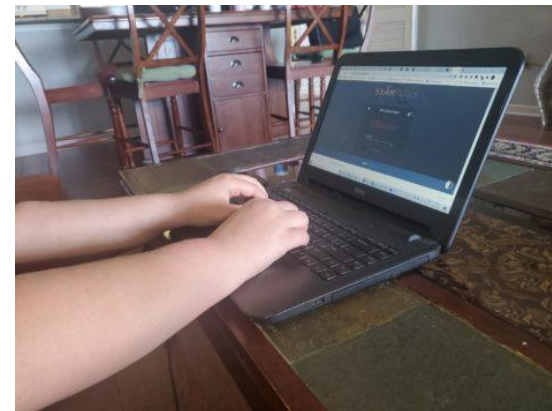
- De FCC voor de licentie en link in de email.

Met een Credit card. 

35\$

Examen gaat via Zoom

- Op de dag van het examen een telefoontje.
- Inloggen in Zoom met de info uit de email.
- 4 Examinatoren kijken mee.
- Paspoort controle.
- Alleen in de kamer.
- 1 PC om examen op te doen met camera en mic.
- 1 Mobieltje met zoom, geen laptop, op het bureau gericht.
- Alles in de kamer, plafond en vloer laten zien.
- Scherm delen (shared screen).
- Rekenmachine wissen.



Examen gaat via Zoom

- Neem de tijd voor het examen, er is geen tijd limiet.
- Examenomgeving is dezelfde als Hamstudy omgeving.
- Multiple chooise antwoorden.
- Antwoorden met toetsenbord A B C D of muis.
- Direct uitslag.
- De VE's sturen de gegevens door naar FCC.

- Ontvang email van FCC om licentie te betalen (\$35).
- Ontvang binnen 10 werkdagen je licentie en call in de email.

Email van FCC – U moet betalen

FRN Financial

You need to use the [COMmission REGistration System \(CORES\)](#) to pay fees. Use the following step-by-step instructions to log into CORES with your Username and password and pay fees.

[Manage FRNs](#)

FRN Financial

Show entries

Search

FRN	FRN Name	Red Light Status	Action
0035807163	Casper Janse	Green Light	View/Make Payments

Showing 1 to 1 of 1 entries

[Go Back](#)

OPEN BILLS

APPLICATION FEES

AWAITING PAYMENT COMPLETION

PAYMENT HISTORY

Matches 1 - 1 (of 1).

FRN	Remittance ID	Total Amount	Created Date	Status	
0035807163	4692569	\$ 35,00	09/27/2024	Not Paid	Make Payment

[Go Back](#)



Print

Online Payment Transaction Initiated

Thank you for submitting your payment, it is currently being processed. It may take 3-5 days for the money to be withdrawn from your account and for the Commission to receive it.

Please be sure to check your account statements to confirm whether or not the funds have been transferred to the Commission.

Total Amount	\$ 35,00
Payer FRN	0035807163
Payer Name	Janse, Casper B
Remittance ID	██████████
Treasury Tracking ID	██████████████████

Thank you for your payment!

[View Form159](#) [Go Back](#)

Licentie en roepletters

- KO6GEC

UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION			
AMATEUR RADIO LICENSE			
KO6GEC			
JANSE, CASPER B [REDACTED] [REDACTED]			
FCC Registration Number (FRN): 0035807163			
Special Conditions / Endorsements			
NONE			
Grant Date	Effective Date	Print Date	Expiration Date
10-01-2024	10-01-2024	10-01-2024	10-01-2034
File Number	Operator Privileges		Station Privileges
0011260402	Technician		PRIMARY
THIS LICENSE IS NOT TRANSFERABLE			
_____ (Licensee's Signature)			
FCC 660 - August 2021			

En wat heb je er nu aan?

- Voordeel: Makkelijk een gastlicentie aanvragen in landen waar de HAREC/CEPT-regeling niet van toepassing is.
- Met je Amerikaanse call gebruik maken van de faciliteiten van [Remotehamradio.com](https://www.remotehamradio.com), een website die, tegen betaling, toegang biedt tot diverse grote HF-stations in de VS.
- Het is leuk om te leren.
- Leuk om iets unieks te hebben.

Hele handige links:

- <https://www.arrl.org/getting-licensed>
- <https://www.ncvec.org/> VE's en de vragen pools
- <https://www.shipito.com> Postadres in US
- <https://apps.fcc.gov/cores/userLogin.do> FRN registratie
- <https://hamstudy.org> Online studie met gratis registratie
- <https://www.fcc.gov/> FCC
- <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>
- <https://www.remotehams.com/> Remote RTX bedienen in US
- <https://www.remotehamradio.com> Remote RTX
- <https://zoom.us/test> Verbinding en instellingen testen

Tijd voor vragen.....

