

**This presentation is more than one year old.
Some parts may be outdated.**

You can find the latest information here:

<https://www.frogans.org/en/main.html>

International Frogans Addresses for ICANN 51 Attendees

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Organizing the Frogans technology

OP3FT's mission



TO HOLD



TO PROMOTE



TO PROTECT



**TO ENSURE THE
PROGRESS OF**



Frogans technology

Released in the form of an open standard, available to all users, free of charge

- OP3FT is a non-profit organization
- Develops the Frogans technology in the public interest
- Respectful of national laws

Frogans technology: A new software layer on the Internet

The three operating layers of the Internet

Generic applications

E-mail, FTP, IRC, World Wide Web

Frogans



Traffic and routing

Domain Name System (DNS)
Internet protocols and standards



Telecommunications infrastructure

Physical network

- A new step in the development of the Internet
- Allows the introduction of Frogans sites
- Uses the .frogans gTLD delegated by ICANN in order to function

Frogans sites: A new format for publishing content online



- Secure
- Smaller in size and weight
- Open to the creativity of publishers all around the world

Truly multi-platform



- Same browsing experience and identical display on all devices
- Downloadable free of charge from the OP3FT
- Respectful of end-user privacy

Frogans addresses: new identifiers for Frogans sites

Source: Google translate

Network-name*Site-name

Latin

اسم-شبكة*اسم-موقع

Arabic

网络 - 名称 * 现场 - 名称

Chinese

שם-רשת*שם-אתר

Hebrew

Сеть-название*Сайт-название

Cyrillic

+ Japanese, Korean,
Devanagari, Thai, Greek

- Short and simple pattern
- Supports writing systems from all around the world
- Easily distinguishable thanks to the Asterisk character

Frogans addresses: managing confusion

End-user confusion

between characters in a given writing system

→ I uppercase i
1 digit one
l lowercase L

between characters in different writing systems

→ a Latin
a Cyrillic

between characters in a language with two writing systems

→ 宁
寧 calm, peaceful
repose, serenity
In simplified and traditional Chinese

- Freedom in choosing network names and site names
- Raises potential security issues for end users
- The most important issue relates to spoofing

Multiple organizations and standards

ICANN

IANA

ccTLDs

Unicode Consortium

W3C

IETF

ISO

- Extensive work has already been carried out
- Worldwide source of linguistic expertise
- Standards evolve frequently

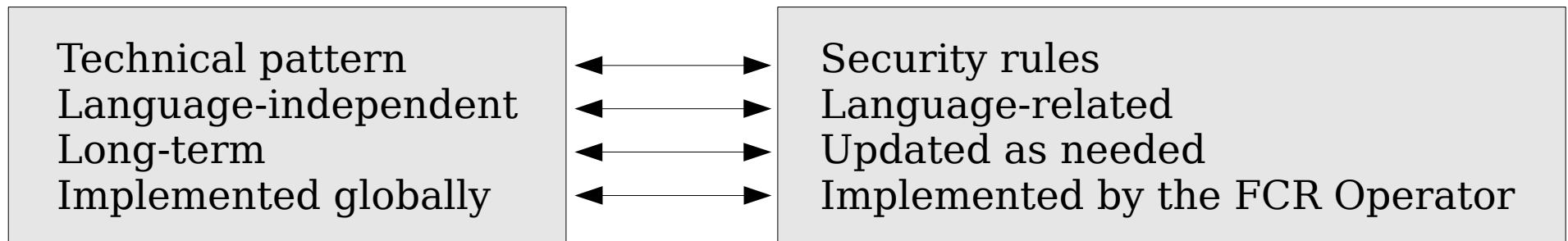
A two-part model for specifying Frogans addresses

IFAP

International
Frogans
Address
Pattern

FACR

Frogans
Address
Composition
Rules



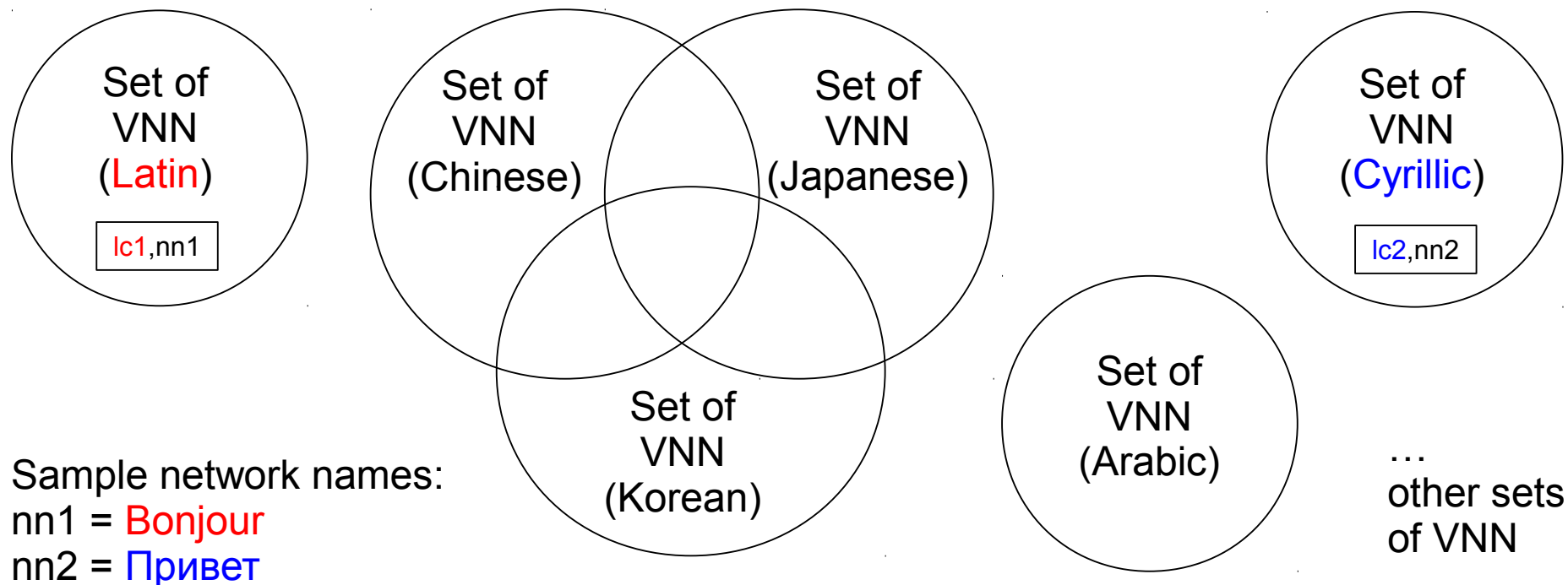
- Called for by the OP3FT Bylaws
- Provides stability for a widely distributed and installed technology
- Provides flexibility and reactivity demanded to solve security issues

Overview of the FACR specification

1. Introduction
 2. Terminology
 3. The need for **new concepts**
 4. Rules for each **linguistic category**
 5. Valid network names and site names
 6. Generating **convergence forms**
 7. Overlapping linguistic categories
 8. Checking whether two network names are convergent
 9. Checking whether two site names are convergent
 10. Available linguistic categories
 11. Future enhancements
 12. References
- Appendix A. FACR lookup tables
- Appendix B. Pseudocode syntax
- Appendix C. **Assistance in implementing** the specification

- Sets forth the composition rules applicable to Frogans addresses
- Rules apply to Frogans addresses that IFAP compliant
- Designed to meet the clarity and precision of Internet Standards (IETF)

Applying FACR to register Frogans addresses in the FCR



- Ten linguistic categories available in FACR 1.0
- Three linguistic categories are overlapping: Chinese, Japanese, Korean
- Two kinds of convergence forms: Intra-LC and Inter-LC

Multi-stakeholder WG development



Universities, language
or technical experts
all around the world
are linked to the OP3FT
to discuss local issues

**OP3FT
Working
Groups**

- OP3FT tasked with instigating worldwide input
- Technical and local issues considered
- Local correspondents where possible

THANK YOU

福更斯

Frogans

Φρογανς

فروجنز

프로강스

フロガンズ

Φρόγκανς

פרוגנס

फ्रॉगोन्स

ฟรอกแกนส์

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Links

- Welcome to the Frogans project
<https://project.frogans.org/>
- The official Web site of the Frogans technology:
<https://www.frogans.org/>
- International Frogans Address Pattern (IFAP) technical specification:
<https://www.frogans.org/en/resources/ifap/access.html>
- The UDRP-F and its Rules of procedure:
<https://www.frogans.org/en/resources/udrpf/access.html>
- The Frogans Technology Conference:
<https://conference.frogans.org/>
- The Frogans technology mailing lists:
<https://lists.frogans.org/>