

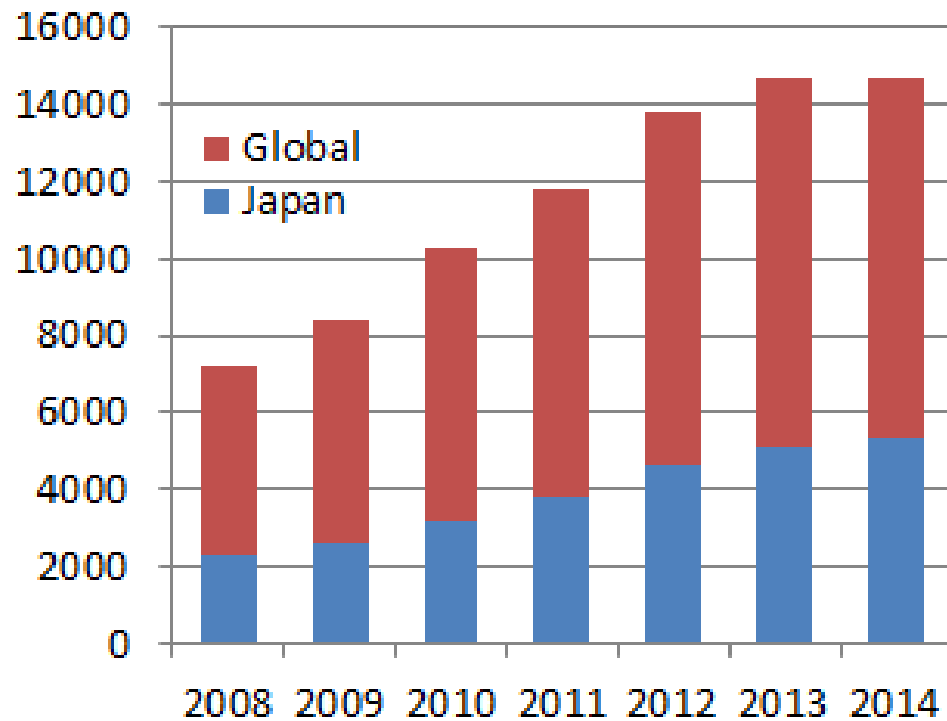
DOCOMO's Views on SEP

Takashi Komoro
NTT DOCOMO, INC.

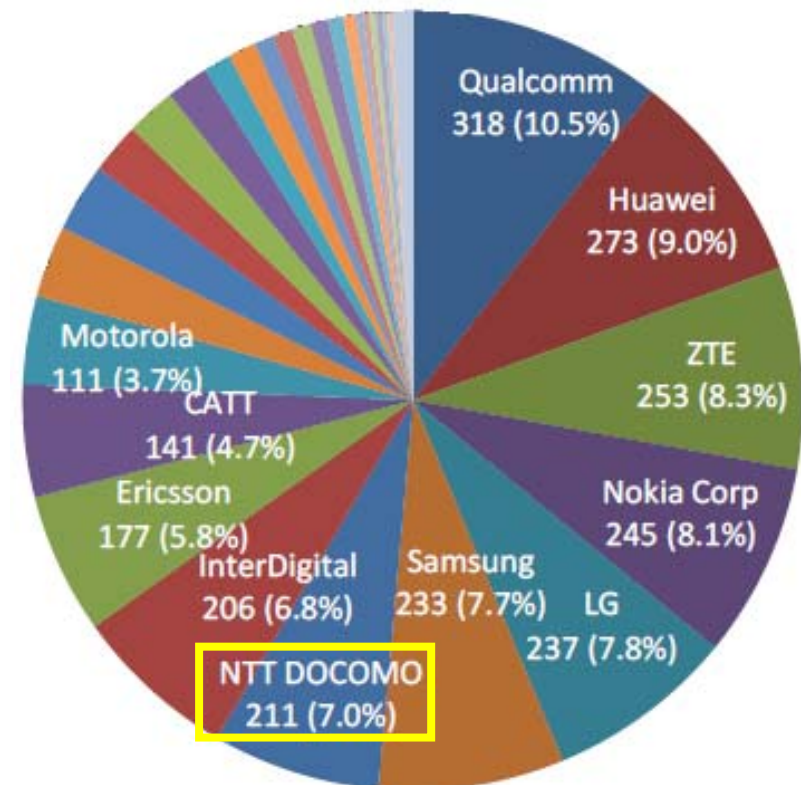
The new of today, the norm of tomorrow

^{NTT} docomo

- Significant R&D Investment in Development of STANDARDS
- Commitment to STANDARDS and OPENNESS
- DOCOMO = “Telecom Operator” & “Technology Provider”



Number of DOCOMO Patents



Estimated number of LTE essential patents

<http://www.cybersoken.com/english/research/lte.html>
 Cyber Creative Institute Co. Ltd.

- Respect Innovation and IPR
 - Work hard to establish FRAND-based efficient licensing
 - Procurement conditioned under non-infringement of patents

As a SEP Holder

- Patent Pool Licensing
 - Offer one-stop FRAND licensing
 - Obtain a fair return at the same time as encouraging technology dissemination

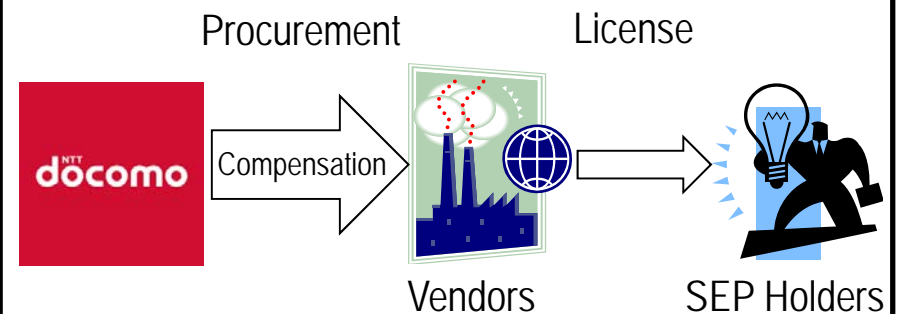
W-CDMA



- Bilateral Licensing
 - Offer an option for implementers

As an Implementer

- Procure Licensed Products
 - Require resolution of IPR as a condition of procurement
 - Compensate SEP Holders through procurement



- SEP Holders require a fair return on their R&D investments
- Implementers require a reasonable and predictable business environment for utilizing SEPs

For SEP Holders

Patent Pools have not been as Successful as We Expected

- Lack of attraction for both SEP Holders and Implementers

Implementers Pretending to be “Willing Licensees”

- Effectively implementing delaying tactics at the same time as avoiding injunction
- Significant difference in FRAND royalty rate

For Implementers

High Cost of Dealing with PAEs

- Nuisance seeking for settlement

SEPs without FRAND Obligation

- Tokyo District Court allowed injunction
- No guideline for royalty rate

Need to Strike a Sustainable Balance through Open Discussion

- DOCOMO is accelerating its R&D efforts to deploy 5G Network services in time for the 2020 Tokyo Olympic Games
- Serious effort is required to achieve sustained improvement in SEP licensing

Three Recommendations in NGMN White Paper

(For a more transparent and predictable IPR eco-system)

1. Improve 5G SEP Declarations

2. Establish Independent 5G SEP Assessments

3. Explore and establish Patent Pool licensing for 5G

Thank you.

The new of today, the norm of tomorrow

^{NTT} docomo