

# Did you know - there is a standard language for GDPR definition?

The mission of the W3C Data Privacy Vocabularies and Controls CG (DPVCG) is to develop a taxonomy of privacy and data protection related terms, which include in particular terms from the new European General Data Protection Regulation (GDPR), such as a taxonomy of personal data as well as a classification of purposes (i.e., purposes for data collection), and events of disclosures, consent, and processing such personal data.

## W3C's DPV - vocabulary for consent handling



6.	Purposes	•
6.1	Classes	
6.1.1	Academic Research	
6.1.2	Access Control	
6.1.3	Advertising	
6.1.4	Commercial Interest	
6.1.5	Commercial Research	
6.1.6	Communication for Customer Care	
6.1.7	Context	
6.1.8	Create Event Recommendations	
6.1.9	Create Personalized Recommendations	
6.1.10	Create Product Recommendations	
6.1.11	Customer Care	
	5 "	

-	Barrana in a Catamania	•
7.	Processing Categories	
7.1	Classes	
7.1.1	Acquire	
7.1.2	Adapt	
7.1.3	Align	
7.1.4	Alter	
7.1.5	Analyse	
7.1.6	Anonymise	
7.1.7	Automated Decision Making	
7.1.8	Collect	
710	Combino	
10.	Consent	

7.1.8	Collect	
710	Combino	
10.	Consent	
10.1	Classes	
10.1.1	Consent	
10.2	Properties	
10.2.1	has consent notice	
10.2.2	has expiry	
10.2.3	has expiry condition	
10.2.4	has expiry time	
10.2.5	has provision by	
10.2.6	has provision by justification	

#### § 6.1.9 Create Personalized Recommendations

CreatePersonalizedRecommendations
create and provide personalised recommendations
dpv:ServicePersonalization
dpv:CreateEventRecommendations, dpv:CreateProduct
SPECIAL Project
2019-11-26
Harshvardhan J. Pandit, Rudy Jacob

#### § 7.1.5 Analyse

Term:	<u>Anal yse</u>
Description:	to study or examine the data in detail
Subclass Of:	dpv:Use
Source:	SPECIAL Project
Created:	2019-05-07
See Also:	svpr:Analyse

#### § 10.2.1 has consent notice

Term:	hasConsentNotice
Description:	Specifies the notice provided in context of consent
Status:	accepted
Created:	2019-04-05
Contributor(s):	Bud Bruegger, Harshvardhan J. Pandit, Mark Lizar



# WHY BOTHER about yet another standard in the industry?

It forms an opportunity for new levels of automation, collaboration & usage in

ANY

Data enabled or driven Business Model



# With partners in the EU, we created a machine readable language based on the DPV

Hyper Consents – What

Hyper Consents – Why

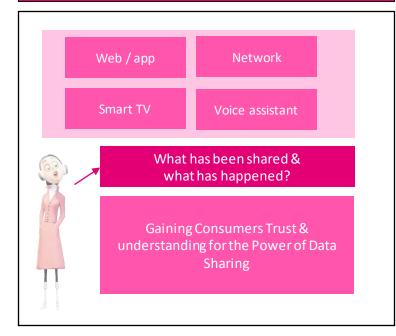
Hyper Consents – How

## DT privacy standard as HC-POLICY

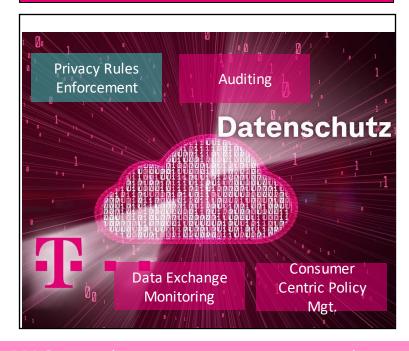


## TELEKOM'S DATA USAGE PARADIGM

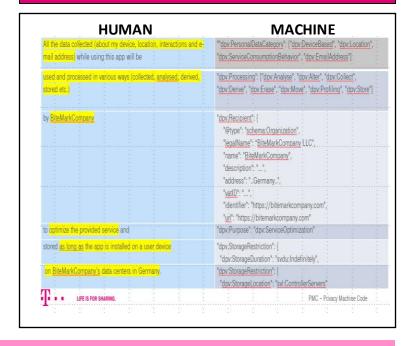
## OMNI CHANNEL DATA USAGE



#### BE IN CONTROL AT all TIMES



## ENABLE AUTOMATED xCOMPANY USAGE & AUDITING



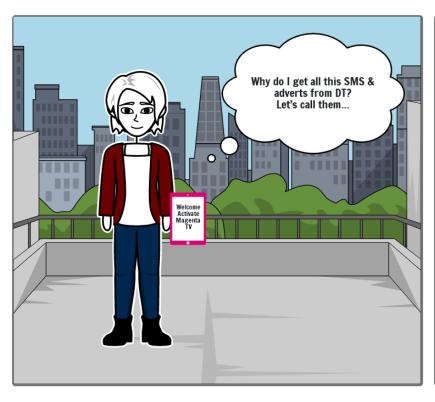
DT NATCOS & trusted partners automate consumer data exchange via

HYPER CONSENT (HC) LANGUAGE

**HC PRODUCT - A GDPR COMPLIANT SAAS** 

## UC: CUSTOMER IS IN CONTROL OF HIS DATA

## Call center helps customer to understand consents given







SIMPLE QUESTION – COMPLEX ANSWER: DT consents are numerous and are stored in multiple systems.

**ONE CLICK ANSWER:** 

HC allows to efficiently query all consent systems as it is a standard to specify consents.

#### **EXCEED EXPECTATION:**

Thanks to HC, DT can easily show consents in any portal.



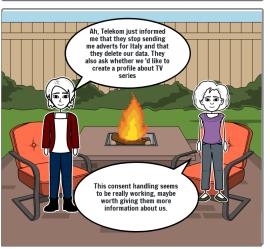
## UC: Partner Integration enabled by HCs exchange

# Telekom has sent me an SMS so they can recommend local events & more concerts we can go to?

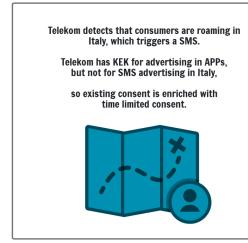
#### Local Events



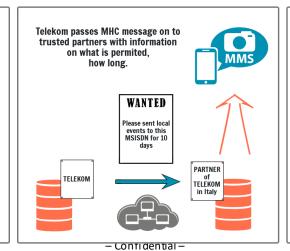
#### **Return Home**



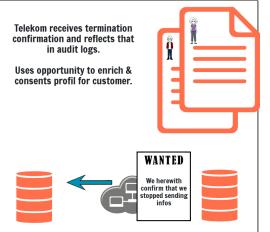
#### Telekom time limited consent



#### Telekom passes information on



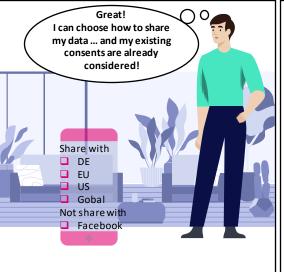
#### Telekom requests removal from list

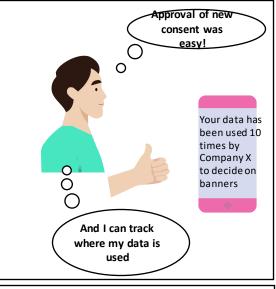




## UC: DT releases new product version







HCs policies are published via a push mechanisms to all affected consumer touchpoints at the same time easily. DT HQ deploys new EU-wide HC policy (e.g. KEK) that enables DT to monitor usage of new DT services.

Consumer only needs to approve additional elements in the updated HCDT HC cross checks on other opt ins given elsewhere to prefill the consent UI, across channels (TV, Web/App/...).

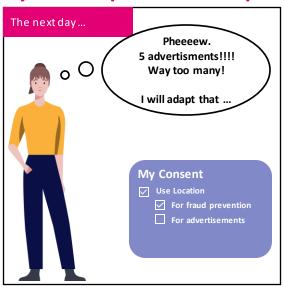
Automated prefill of consents and increased transparency increase customer willingness to share data.

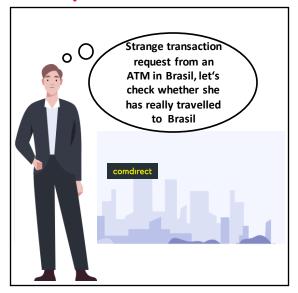
DT HQ stores new consent to policy and keeps it ready for auditing and end user transparency based on machine readable policies and logs.

## **UC: Extended Consent Management**

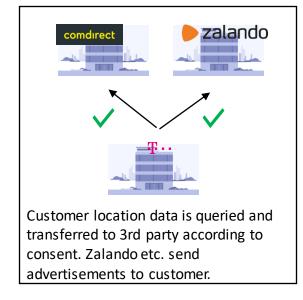
### Consent per company and per data point is possible

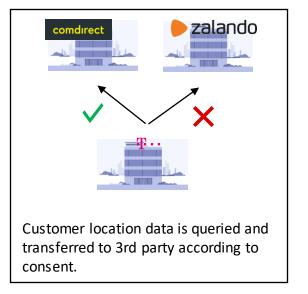












## **AGENDA**

Hyper Consents – What

Hyper Consents – Why

Hyper Consents – How



# How to ensure data is processed the way a consumer has opted for?

Consumer view – Control & Transparency

xCompany view – Same rules applied everywhere & administration

GDPR department view – Simple enforcement of rules & changes

Product flexibility view – More options for product, business

## HC BENEFITS FOR DT DATA DRIVEN BUSINESS

## PRODUCT MANAGER VIEW

HC simplifies Telekom data usage across use cases, services and data silos

HC saves cost & time in developing new data driven services

HC enables responsible 3rd party data integration for more personalized services

HC simplifies consent and improves UX (e.g. synchronizes consents)

HC works across customer touchpoints e.g. websites, apps, voice assistants & more

HC provides transparency and control over consent

CONSUMER VIEW

## PRIVACY OFFICER VIFW

HC standardizes handling and deployment of privacy policies & consent

HC enables automation of policy usage and provides audit-proof trails

HC uses a mature W3C industry standard that evolves with Telekom's contribution since years

## **AGENDA**

Hyper Consents – What

Hyper Consents – Why

Hyper Consents – How



### **HYPER CONSENTS**

Hyper Consent (HC) is a suite to use, filter and share customer data automatically in realtime, based on fine-granular controlled customer consent, based on a standardized policy language.



## HYPER CONSENT – ONE PAGER

#### **ENABLING DATA DRIVEN BUSINESS MODELS**

#### **WHAT**

# A ready-to-use GDPR compliant consent & consumer data usage oriented product consisting of

- consumer modules for consent management, policy assessment, consent audit logs and transparent data usage tracking
- legal modules for creation, assessment, validation, versioning and release of policies
- tracking modules that log, a and monitor data used from customer data providing operative systems
- data sharing gatekeeper module that restricts and filters customer data from operative systems based on consent
- a versatile, open and standardized language HC
   Language that can define context-dependent policies, both machine- and human-readable

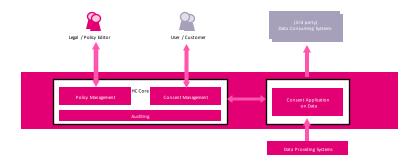
#### WHY

# Support existing and new data driven business model without the need for complex data sourcing and GDPR discussions

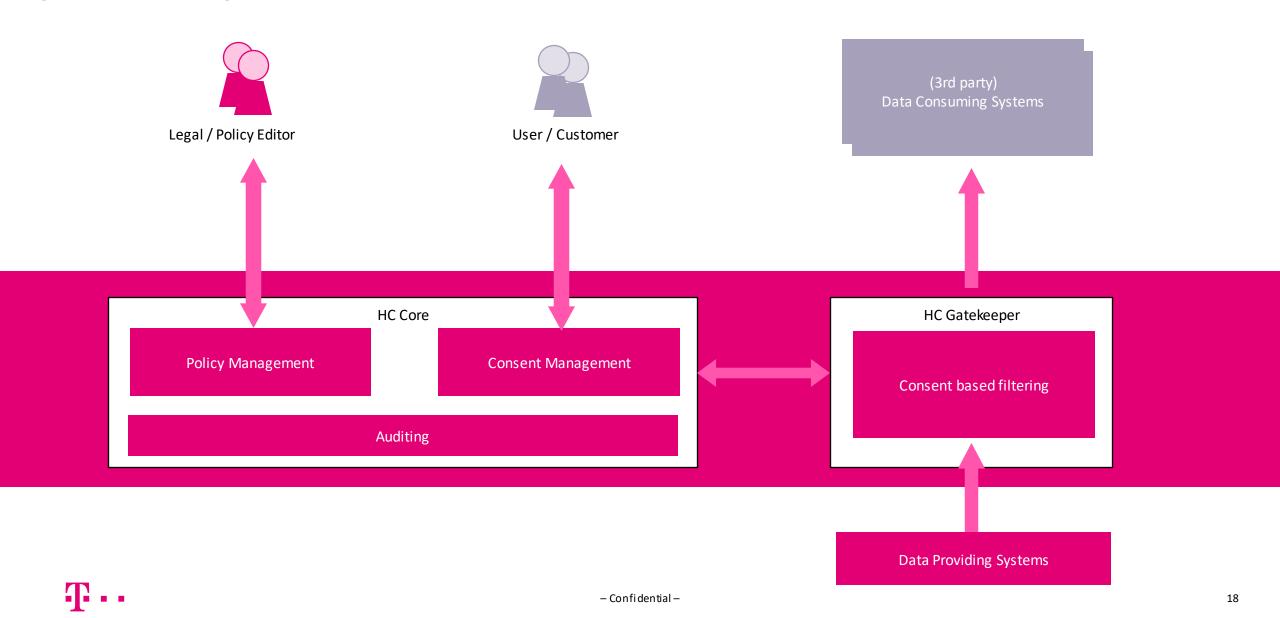
#### HOW

# Define standardized approach and central product for sharing data within DT & beyond

- provide out of box missing SW elements to enable easy consumption of data based on core a standardized language that follows W3C digital privacy vocabulary standard and is based on EU-wide activities
- ensure compatibility to include existing CMPs
- ensure 100% transparency & control of data any time via realtime gatekeeper modules and audit logs
- integration with NatCos and 3<sup>rd</sup> parties via M-API



# HYPER CONSENT (HC) SIMPLIFIED OVERVIEW



# model? MOCKUP – MOCKUP – MOCKUP – MOCKUP

What would a front end for policy creators look like?

https://www.figma.com/proto/XSI4E6BLw1N6SBEikcBqnn/MHC?page-id=0%3A1&node-id=258%3A2136&viewport=2950%2C1300%2C0.1&scaling=scale-down&starting-point-node-id=258%3A2136

.pdf – click to open





# HYPER CONSENT - SUMMARY Consent in a transparent and user-centric way

#### **Consumer Concerns**

- What do I share exactly?
- Who gets my data?
- What does the receiver do with my data?
- What has been done with my data?
- Can I revoke consent?
- Is revocation of consent simple and reliable?

GDPR requirements for valid consents

Data used for the benefit of ALL

#### Simple and transparent at all times

- Explicit Informed Documented

  In Advance Granular Freely Easy-to-withdraw
- Ensure partners can automate DT personal data usage even if there are complex wishes to be considered.
- Integration into legacy and new platforms is supported by simple rule set and software modules.

#### Impact of Hyper Consent

We provide an open, standardised product suite for all consumer facing apps, websites, services to "capture consumers will" and make it machine readable and exchangeable.

We support OMNI Channel personal data gathering scenarios transparent to the consumer and fully automated for data processing systems





## THIS IS THE END - MY ONLY FRIEND THE END



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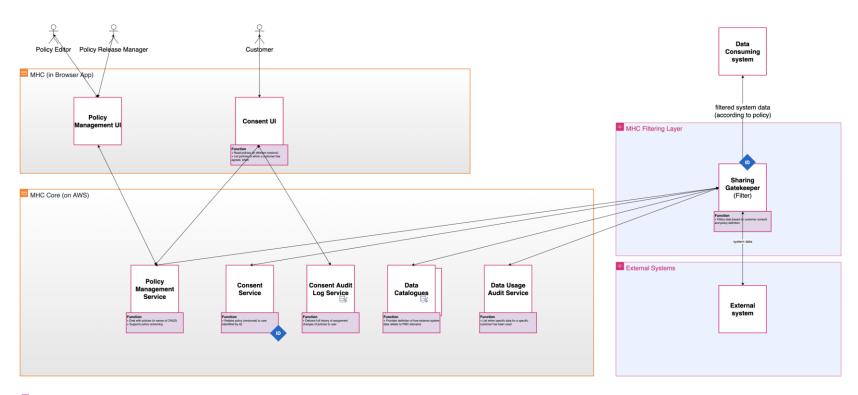
## TO BE BUILT: HYPER CONSENT Product Architecture

#### **Modules**

- Customer facing UIs (ready-to use or via SDK)
  - Consent Configuration
- Legal
  - Policy Management
- HC Intelligence Backend
  - Policy Management
  - Consent
  - Data Catalogue
  - Audit Logs for policies, consents and data usage
- Distributed (and decoupled)
  - Sharing Gatekeeper (as SDK)

#### **Exposed APIs**

- Data Usage Audit Service (via Sharing Gatekeeper SDK)
- Depending on roles / permission
  - Policy management
  - Consent management
  - Audit logs
  - Data catalogue



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#### **Features**

- Open and extensible modular product, ready-to-use and with easy integration efforts
- Both, central or per Natco installation possible
- Capabilities based on HC language, an open standard for the definition of context-aware policies
  - TCF (transparency and consent framework) compliant
  - GDPR compliant
- M-API enabled, Magenta Advantage support intended

**T**...

## PRODUCT PROGRAM IMPROVEMENTS EXAMPLES

Today	Tomorrow	Benefit
Each project re-implements KEK / TCF each time.	GDPR as a Plug-In "Lego brick	cheaper, faster, fewer errors when implementing GDPR compliant consumer consents
KEK is statically "wired" in the client / backend, every change requires additional effort	privacy policies can be updated independently of the SW	Faster updates for changes, fewer SW updates -> privacy policies become independent of the release cycle
Limited consent present for data, primarily present in local system in various formats. Difficult to automate data access w.r.t. consent and restrictions.	HC Gatekeeper module supervises data usage according to consumer consent and GDPR.	Consents & data are released automatically according to defined rule sets
Granular or individual customer policies difficult to map	Very flexible rules can be implemented	Customer requirements, deviations can be flexibly mapped
E2E control with 3rd party for data use is a project effort and use of data from other projects is not trivially feasible.	E2E control is an internal DT service, data use from other DT sources is easily possible.	Data use & distribution is greatly simplified, with simultaneous transparency for all (incl. customers) with regard to use.
Customer queries regarding DT customer data storage, manual effort	Customer can track and see data usage at any time, call centre create delivery of all data with one click	Transparency increases trust and leads to more meaningful data sharing and use. Call centre costs are minimised.
Meta Consents not even thinkable	Meta Consents as a realistic goal (generic consents)	Cutomer declares preferences regarding data utilization (policy). Opt-Ins for new applicaton areas are easily derived.

