

TanRAP and the Ten Step Plan

Rob McInerney

CEO, International Road Assessment Programme

National Workshop for Safer Road
Infrastructure

Dar Es Salaam, 16-18th March 2021



THE ROAD SAFETY FUND



Global Road Safety Facility **UKaid**
from the British people



TANZANIA

**TEN
STEP
PLAN**



International Road Federation
Fédération Routière Internationale
Federación Internacional de Carreteras





global charity - global standard - local leadership



100+

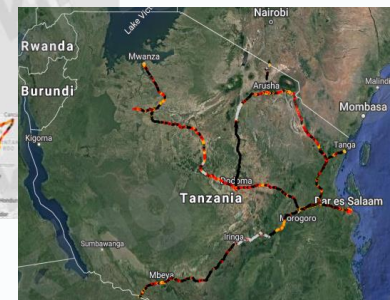


2,500,000+ km



us\$80bn+

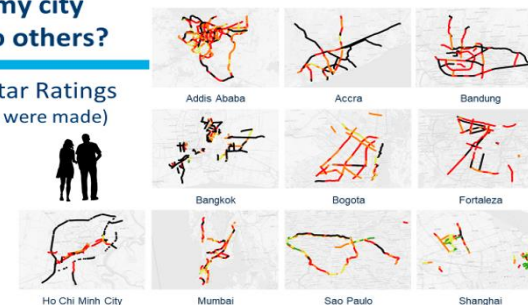
investment made safer



How does my city compare to others?

Pedestrian Star Ratings (before changes were made)

- 1 star
- 2 stars
- 3 stars
- 4 stars
- 5 stars
- N/A



SAFER ROAD INFRASTRUCTURE

Global Targets & the Ten Step Plan




TARGET 3
2030

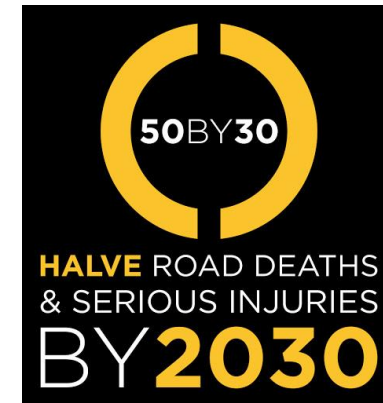


Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.

TARGET 4
2030



Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.



The Ten Step Plan for Safer Road Infrastructure



TanRAP & the Ten Step Plan

Local leaders unlocking the potential of 3-star and better roads

44%

reduction in fatalities and serious injuries

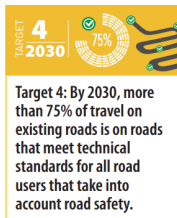
1,500,000+ saved over the 20 year life of treatments



TSh26

return on investment for every TSh1 invested

TSh 67 trillion saved over the 20 year life of treatments



<https://www.vaccinesforroads.org/business-case-for-safer-roads/>

National Workshop for Safer Road Infrastructure, Dar Es Salaam, 16-18th March 2021



National Leadership & National Capacity

TARGET 3 2030

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TARGET 4 2030

Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.

Policy, Standards & KPIs

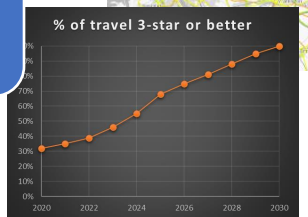
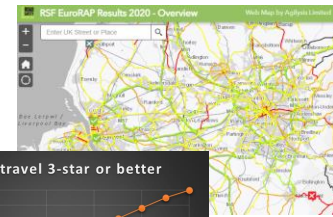
Tools & Capacity



DECADE OF ACTION FOR
ROAD SAFETY
2021 - 2030

Evaluation & Evidence

Performance & Investment Data



Now including iRAP

DATA FOR ROAD INCIDENT VISUALIZATION, EVALUATION AND REPORTING (DRIVER)

STAR RATING FOR SCHOOLS

★★★★

Projects & Upgrades

Mobilising Finance

INVESTING TO SAVE LIVES

AN IMPACT INVESTMENT CASE FOR PREVENTING ROAD TRAUMA

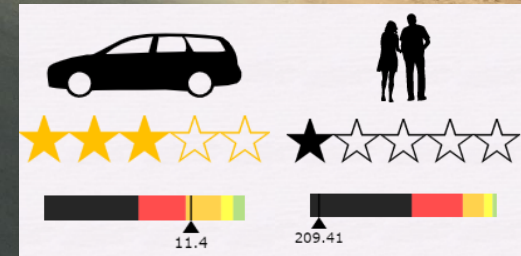


TARGET **3**
2030



Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.

What Star Rating is your next project?



DESIGN		Impact over 20 year life of treatment		
Pedestrian Star Rating		Lives Lost	Brain Injuries	Fractures
Option 1	★	24	85	115
Option 2	★★★★★	2	7	12





STEP 5

Development of National Road Design Standards in accordance with the UN Global Road Safety Performance Targets



The United Republic of Tanzania
Ministry of Works, Transport & Communications



TARGET 3 2030



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STEP 8

Immediate Road Design Assessments and Road Safety Audits that elevate the safety for all road users to a 3-star or better standard in support of UN Target 3



PLANNING, DESIGN & OPERATION

- RESPONSIBILITIES AND POLICY
- DESIGNING FOR ROAD USERS
- INFRASTRUCTURE MANAGEMENT
- INTRODUCTION
- GENERAL PRINCIPLES
- » POLICIES AND STANDARDS**
- MANAGEMENT TOOLS

International Road Federation
Fédération Routière Internationale
Federación Internacional de Carreteras www.irfnet.ch

INTERNATIONAL COURSE ON ROAD SAFETY ENGINEERING AND AUDITS

13 - 17 August 2018
Dar es Salaam - Tanzania

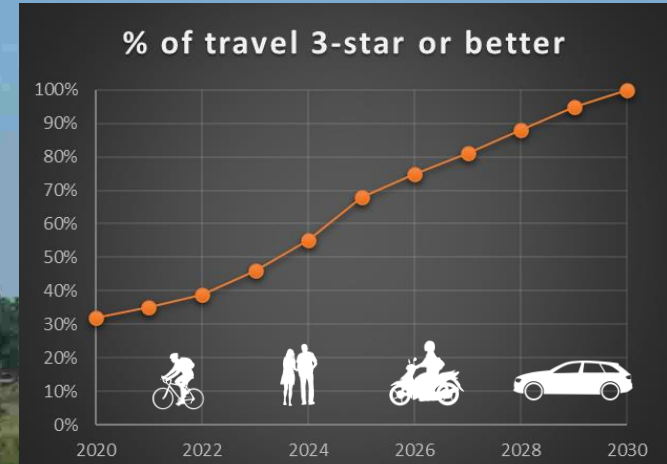



TARGET
4
2030



Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.

How to maximise lives saved on existing roads?





STEP 4

Develop National Safer Road Infrastructure Strategies and supporting Action Plans



The United Republic of Tanzania
Ministry of Works, Transport & Communications



TARGET 4
2030

75%

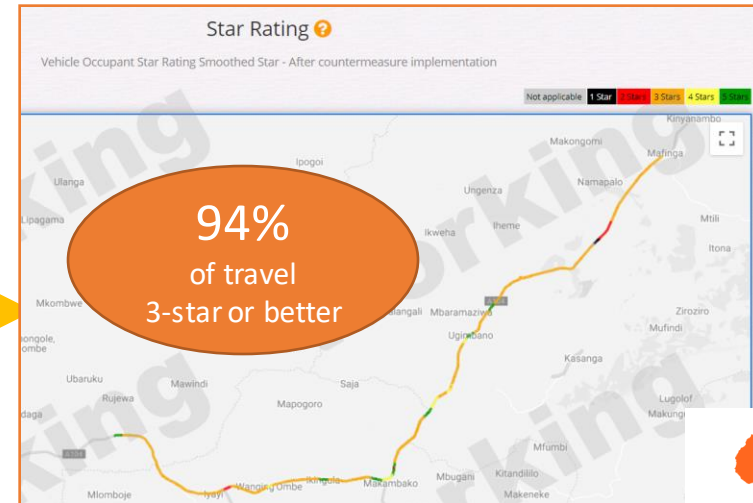
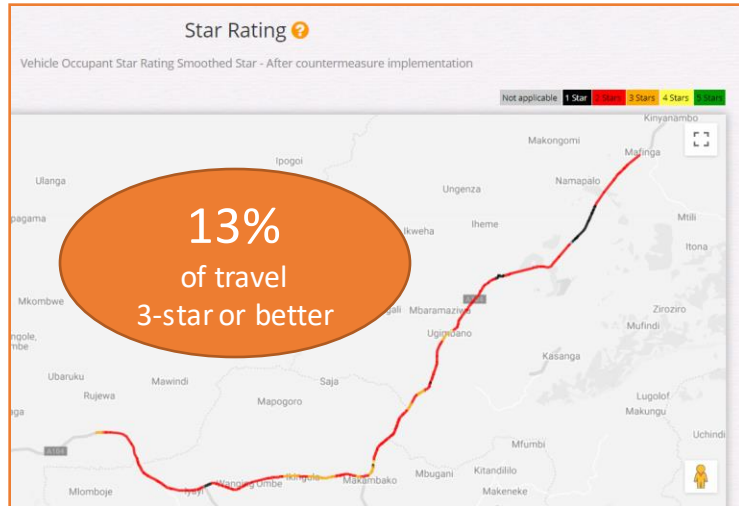
Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.



STEP 9

Strengthen National Capacity for Infrastructure Road Safety Construction Quality, Data Management, Performance Tracking, Monitoring and evaluation

BCR
26 to 1





Local leadership, local experts, global support





STEP 6

Development of National Training, Accreditation and Certification Standards and Institutional Capacity



The United Republic of Tanzania
Ministry of Works, Transport & Communications



International Road Federation
Fédération Routière Internationale
Federación Internacional de Carreteras



STEP 7

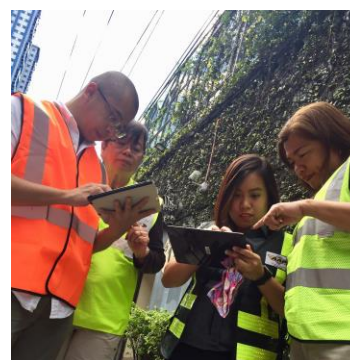
Establish TanRAP



Local Leadership



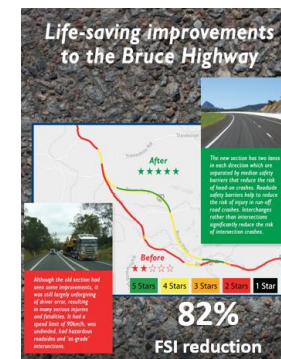
Local Standards



Local Experts



Local Results



Local Impact




TARGET **3**
2030



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TARGET **4**
2030



Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.

Measuring & celebrating success



Minister officially opens another 3-star and better road

In great news for Tanzania the Ministry of Works, Transport and Communications and TANROADS opened the new 5-star highway from.....



5

iRAP Star Rating 2021



Low Risk



STEP 10

Establish an effective communications programme that celebrates safer roads



The United Republic of Tanzania
Ministry of Works, Transport & Communications



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iRAP STAR RATING CERTIFICATE

The International Road Assessment Programme recognises

PT Jasa Marga (Persero) Tbk

on achievement of a 3-Star Rating for vehicle occupants in recent safety upgrades on Tol Jagorawi (Jakarta - Bogor - Ciawi).



Star Rating	Length (km)	Percent
3 Stars	0.00	0.00%
4 Stars	68.00	74.44%
5 Stars	18.00	19.56%
6 Stars	0.00	0.00%
7 Stars	0.00	0.00%
8 Stars	0.00	0.00%
Total	90.00	100.00%



IN ASSOCIATION WITH



Rob McInerney

ROB MCINERNEY
CHIEF EXECUTIVE OFFICER, IRAP
13 November 2020

SUBAKTI SYUKUR
PRESIDENT DIRECTOR, PT JASA MARGA (PERSERO) TBK

iRAP FIA FOUNDATION Because every life counts.

Spain's iRAP developments



- Via desdoblada con barrera metálica
- Distancia a objetos peligrosos >10m
- Señalización horizontal adecuada
- Rumble strips laterales
- Existencia de balizamiento
- Arcén > 1,5m
- Escasa curvatura
- Anchura de carril > 3,5m
- Buena calidad del pavimento
- Visibilidad adecuada

5 Stars





TANZANIA

TEN STEP PLAN



SAFER ROAD INFRASTRUCTURE

