

International Player Profile

March 2017



CANADA
BASKETBALL

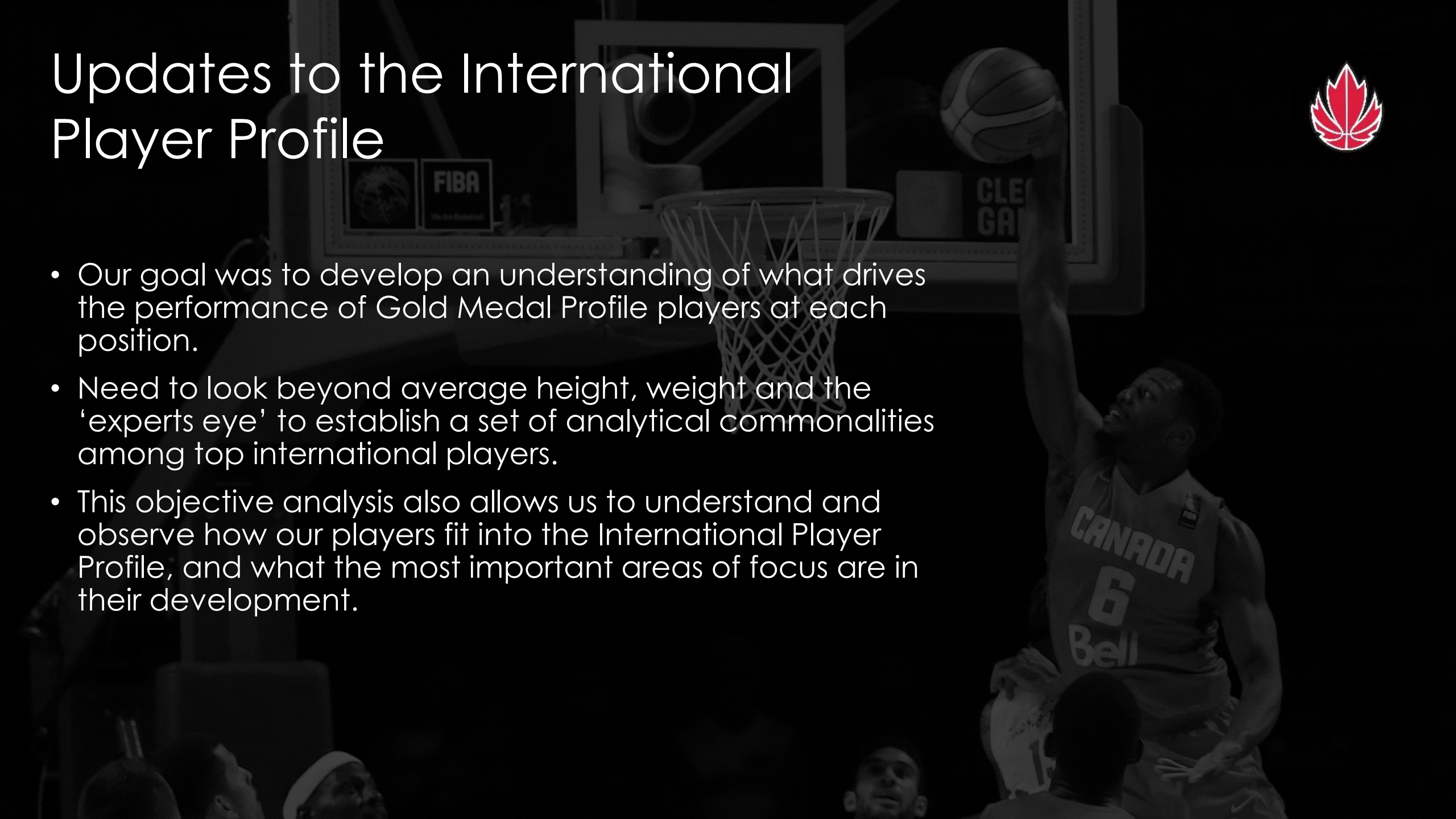
Canada Basketball Men's High Performance Program

For more information, please contact Phil Jevtovic at pjevtovic@basketball.ca

Updates to the International Player Profile



- Our goal was to develop an understanding of what drives the performance of Gold Medal Profile players at each position.
- Need to look beyond average height, weight and the 'experts eye' to establish a set of analytical commonalities among top international players.
- This objective analysis also allows us to understand and observe how our players fit into the International Player Profile, and what the most important areas of focus are in their development.

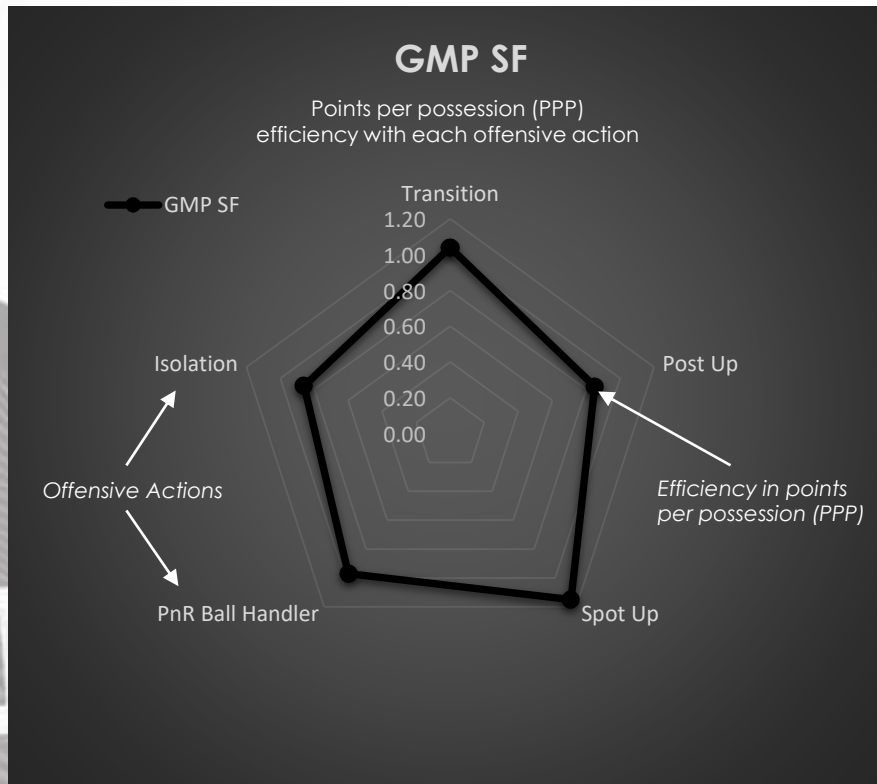


Offensive Efficiency Analysis

- Video and statistical analysis allows us to identify 5 key offensive categories per position that capture 70-80% of the actions players are involved in during a game.
- From this data we are able to derive clear and powerful diagrams that provide a picture of the most important situations Gold Medal Profile players find themselves in, at each position.
- At the moment, the charts and data focus on the offensive component of the International Player Profile.
- The defensive element is still being developed, as it is more challenging to provide a comprehensive picture of a player's defensive abilities. Some analytical considerations are included in this analysis.



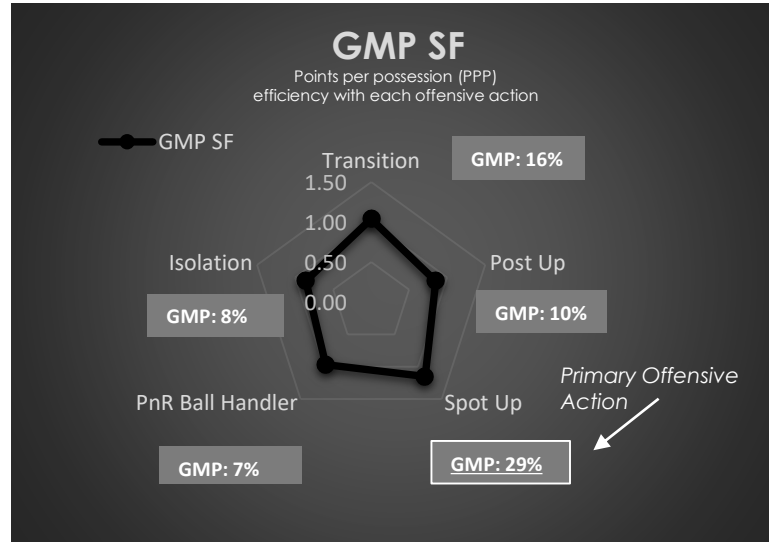
Understanding the Diagrams



1. Gold Medal Profile Average

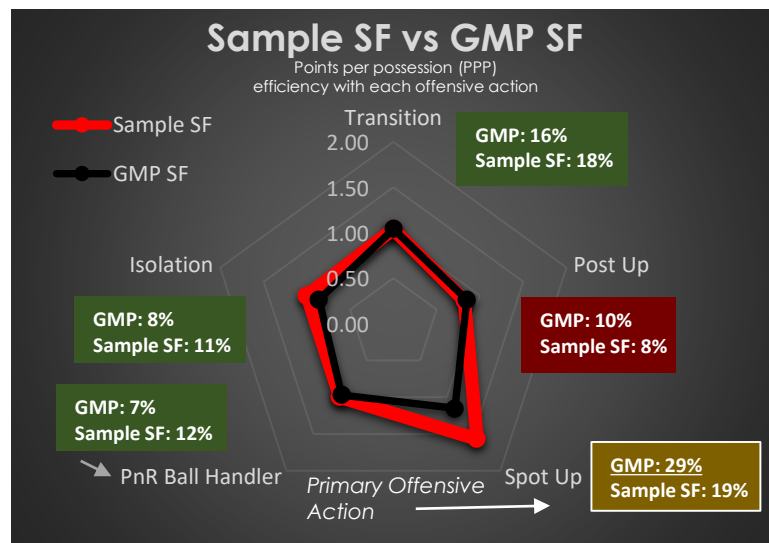
- The first component of our offensive efficiency diagram is the Gold Medal Profile (GMP) average line, which is represented here by the black line.
- The GMP average is a 'bucket' that considers the top Small Forwards in the world together.
- Each of the 5 points on the diagram corresponds to an offensive action that the player is involved in.
- The specific points on the graph indicate the efficiency in each particular situation, measured in points per possession (PPP).
- As you can see, on average, GMP Small Forwards are most efficient in the spot up category.

Understanding the Diagrams



2. Accounting for Usage

- This diagram is identical to the one on the previous page, except an indicator for usage has been added under each action.
- Usage represents the occurrence of each individual action, as a percentage of total situations the player is involved in on the court.
- For example, this diagram encompasses 70% of the total offensive actions for GMP Small Forwards (16%+10%+29%+7%+8%).
- The other 30% varies by player, but can include PnR Man, Cut, etc.
- As you can see on the diagram, the highest usage action for GMP SFs is spot up: the primary offensive action.
- This diagram effectively depicts the offensive profile of a GMP player.



3. Team Canada Comparison

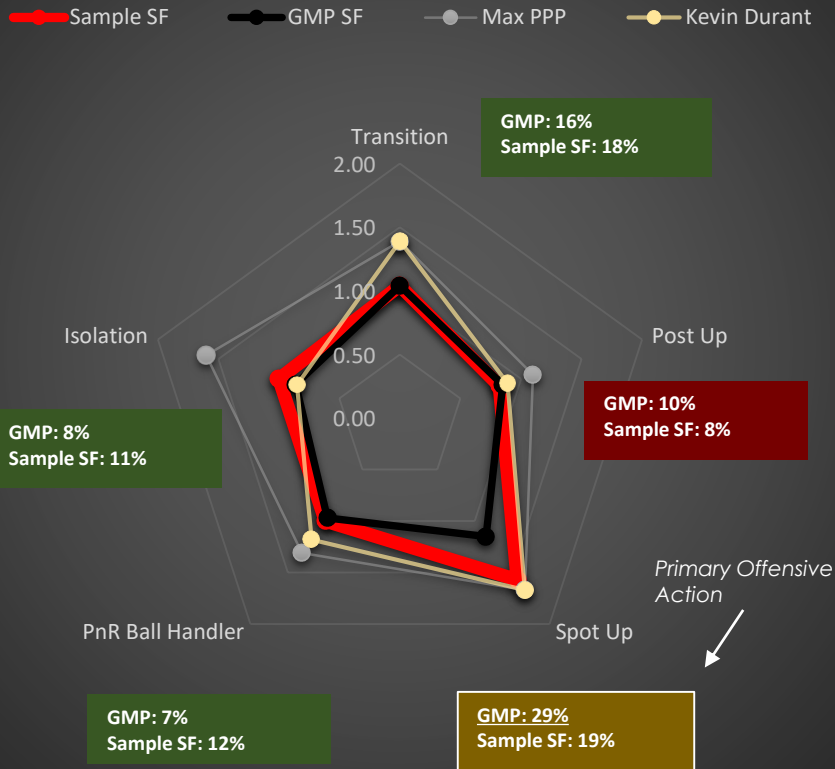
- The third step to our analysis, once a GMP player profile has been established is to compare our own athletes with the GMP standard.
- On the left, a sample Small Forward's offensive analysis diagram (the red line) is overlaid on that of other GMP Small Forwards (black line).
- The usage indicator allows us to capture and understand the main components of each athlete's game.
- The colours of the usage indicator also have a meaning:
 - PPP efficiency and usage > GMP average
 - PPP efficiency > GMP average + usage < GMP average, **OR** PPP < GMP + usage > GMP
 - PPP efficiency and usage < GMP average

Understanding the Diagrams



Sample SF vs GMP SF

Points per possession (PPP)
efficiency with each offensive action



4. Other Considerations

- As the diagram on the left demonstrates, we can overlay other data points to further the depth of our analysis.
- The **grey line** connects the individual maximum PPP efficiency at each action. For example, Kevin Durant has the highest PPP efficiency at spot ups, 1.67 PPP.
- Finally, the **yellow line** is Kevin Durant's offensive efficiency profile, who is the world all-star at the Small Forward position. The Sample SF is clearly trending towards his level, and actually exceeds him in efficiency, in some categories.

Understanding the Diagrams



- The offensive efficiency diagram allows us to establish an understanding of the highest usage actions that Gold Medal Profile Small Forwards are involved in on the offensive end.
- It is a useful tool to gauge the efficiency of our National Team players, when compared to the GMP average.
- Using the diagram, we can also evaluate the progression of our NextGen prospects along the path to becoming Gold Medal Profile players, and it helps us inform our decisions as to what skills need to be focused on in development.
- These diagrams are an integral part of our analysis and understanding of the International Player Profile at each position.
- The following positional profiles include the characteristics of each position, along with the Gold Medal Profile efficiency and usage.





International Player Profile: POINT GUARD (1)

International Averages for a PG (1):

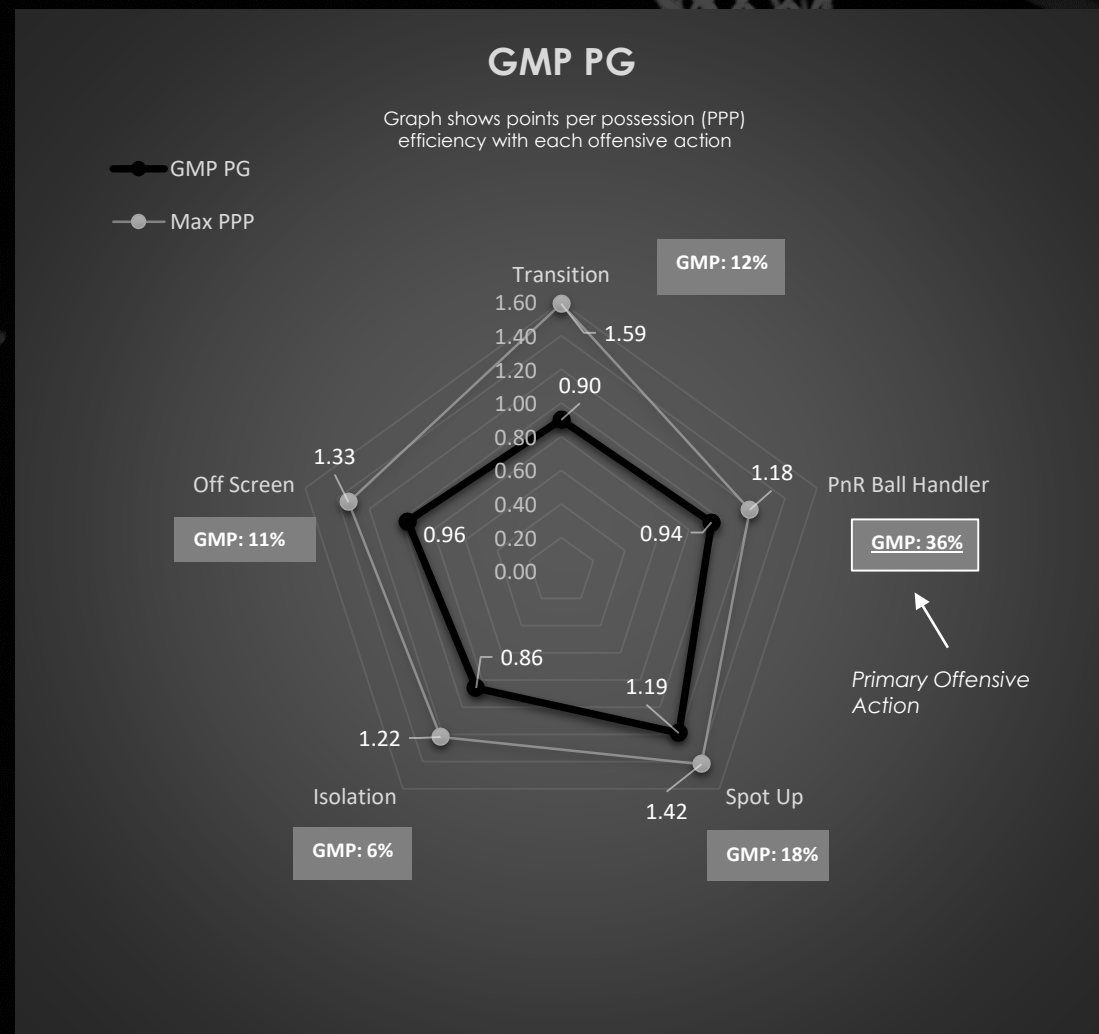
6'3"

190 lbs

27 y/o

- Tony Parker – 6'2"
- Kyrie Irving – 6'3"
- Milos Teodosic – 6'4"

- The 5 primary offensive actions for GMP Point Guards are pick and roll ball handler, spot up, transition, off screen and isolation.
- The highest usage action for GMP Point Guards, as per the diagram, is pick and roll ball handler.
- GMP PGs are in the pick and roll as ball handler in more than 1/3 of total offensive situations.





International Player Profile: POINT GUARD (1)

Offensively, an international Point Guard (1)...

- Is a leader who runs the offense and sets the rhythm and tempo for the game.
- Possesses excellent ball handling and passing skills.
- Creates advantages for his teammates first, and scores when needed.
- Is an outside scoring threat with a mid-range game (off the dribble).
- Has to be a good shooter off the ball screen.
- Has the ability to run the offence and breakdown the defence to create for others.
- Can create transition off of defensive rebounds.
- Can read the defence and make decisions in full and half-court situations.
- Can shoot and read the advantages off the ball screen.
- Has the ability to make entry passes to both perimeter players and into the low-post.
- Has creativity once the sets are broken.
- Good communication with his teammates and the coaches.
- Has a strong personality to lead the team.



International Player Profile: POINT GUARD (1)

Defensively, an international Point Guard (1)...

- Is the leader defensively, sets the intensity and tone for practice and games.
- Dictates the intensity and the aggressiveness of the defence.
- Has the ability to apply ball pressure in the full and half court, while containing an opponent.
- Directs transition defence, communicates to teammates in the half court.
- Is able to communicate and direct the defence in screen situations.
- Can avoid screens.
- Has the awareness and willingness to rotate out on shooters.
- Is able to battle in the half court and help with defensive rebounding responsibilities.



International Player Profile: SHOOTING GUARD (2)

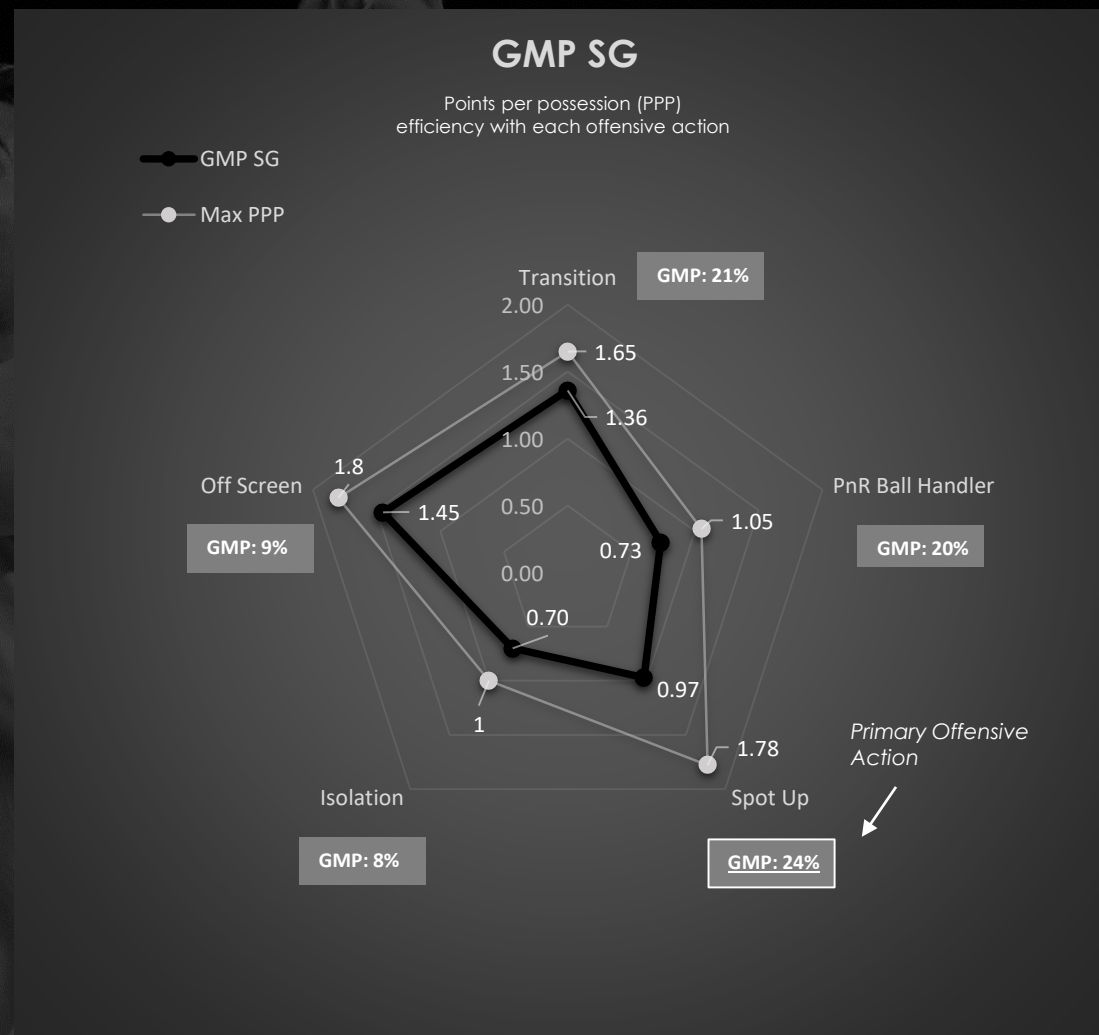
International Averages for a SG (2):

6'6"

205 lbs

27 y/o

- Klay Thompson – 6'7"
- Demar Derozan – 6'7"
- Bogdan Bogdanovic – 6'6"
- Manu Ginobili – 6'6"
- The 5 primary actions for GMP Shooting Guards are spot up, transition, pick and roll ball handler, off screen and isolation.
- The highest usage action for GMP Shooting Guards, as per the diagram, is spot up.
- GMP Shooting Guards are in pick and roll ball handler situations 20% of their total usage.





International Player Profile: SHOOTING GUARD (2)

Offensively, an international Shooting Guard (2)...

- Is a scorer who can also create scoring opportunities for others.
- Needs to consistently make 3PT shots coming off of screens and spot ups.
- Needs to read the defence and move well without the ball.
- Needs to be able to shoot and read advantages off the ball screen.
- Shooting guards need to know how to exploit advantages both on spot ups and attacking closeouts.
- Possesses excellent ball handling skills and can serve as the secondary ball handler against pressure.
- Can effectively pass the ball in transition and in the half court.
- Leads the transition offence by being the first player down the court.
- Finishes well in transition and in the half court.
- Is an effective 1v1 player in isolation.
- Is an excellent free throw shooter.



International Player Profile: SHOOTING GUARD (2)

Defensively, an international Shooting Guard (2)...

- Has the ability to apply ball pressure in the full and half court while containing an opponent (can't get beat).
- Is able to battle in the half court and help with defensive rebounding responsibilities.
- Is able to communicate and direct the defence in screen situations.





International Player Profile: SMALL FORWARD (3)

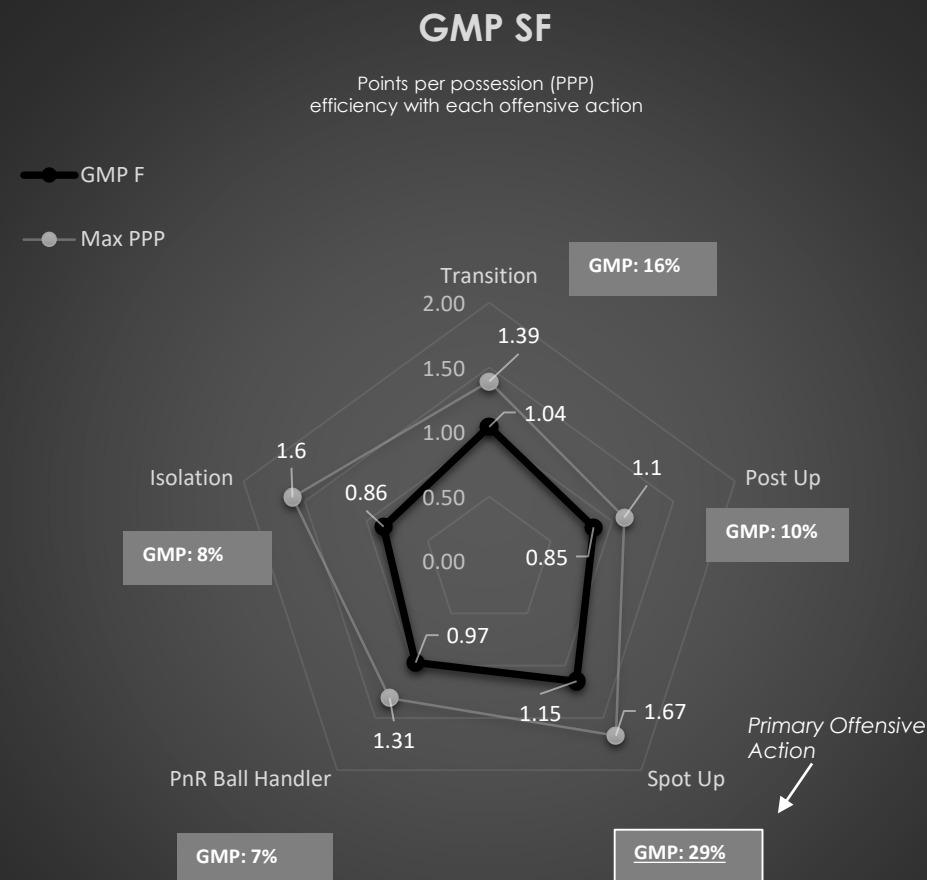
International Averages for a SF (3):

6'7"

220 lbs

27 y/o

- Nicolas Batum – 6'8"
- Andres Nocioni 6'7"
- Kevin Durant – 6'9"
- Carmelo Anthony – 6'8"
- The 5 primary offensive actions for GMP Small Forwards are spot up, transition, post up, isolation and pick and roll ball handler.
- The highest usage action for GMP Small Forwards, as per the diagram, is spot up.
- This is the most 'versatile position', and many players excel in 1-2 categories, but across the board spot up shooting is consistently the highest usage action.





International Player Profile: SMALL FORWARD (3)

Offensively, an international Small Forward (3)...

- Is a scorer who can also create scoring opportunities for others.
- Small Forwards need to be able to consistently spot up at the 3PT line.
- Needs to read the defence and move well without the ball.
- Needs to be able to shoot and read advantages off the ball screen.
- Shooting guards need to know how to exploit advantages both on spot ups and attacking closeouts.
- Can play into the low-post position, both attacking the basket and creating advantages for teammates.
- Possesses excellent ball handling skills and can serve as the secondary ball handler against pressure.
- Leads the transition offence by being the first player down the court.
- Finishes well in transition and in the half court.
- Is an effective 1v1 player in isolation.
- Is an excellent free throw shooter.



International Player Profile: SMALL FORWARD (3)

Defensively, an international Small Forward (3)...

- Can defend players that are posting up.
- Has the ability to apply ball pressure in the full and half court while containing an opponent (can't get beat).
- Is able to battle in the half court and help with defensive rebounding responsibilities.
- Is able to communicate and direct the defence in screen situations.





International Player Profile: POWER FORWARD (4)

International Averages for a PF (4):

6'9"

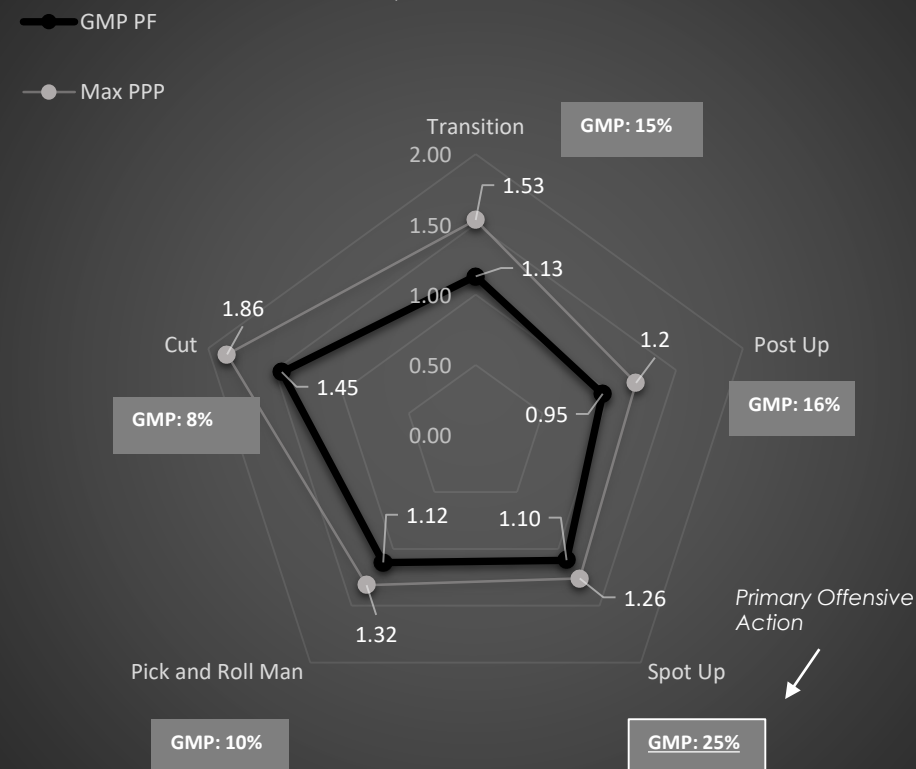
245 lbs

28 y/o

- Pau Gasol – 7'0"
- Boris Diaw – 6'8"
- Nemanja Bjelica – 6'10"
- The 5 primary offensive actions for GMP Power Forwards are spot up, post up, transition, pick and roll man and cut.
- The highest usage action for GMP Power Forwards, as per the diagram, is spot up.
- 'Cut' refers to moving without the ball, finding an open space and scoring off of those reads.

GMP PF

Points per possession (PPP)
efficiency with each offensive action





International Player Profile: POWER FORWARD (4)

Offensively, an international Power Forward (4)...

- Runs the floor well in transition and can beat opposing posts down the floor.
- Receives the ball well in transition and half court, and spots up as the trail man.
- Has the ability to score from the high, mid and low-post, making use of at least one go-to post move and one counter.
- Must be able to consistently shoot 3PT jump shots.
- Effectively pass the ball in transition and in the half court, specifically from the low-post and the high-post.
- Is a physical presence that wears down opponents.
- Sets solid screens to free teammates for scoring opportunities.
- Needs to be able to read defender when setting screens, and either roll or pop depending on the situation.
- Can assist perimeter players in attacking full court pressure. Needs to be able to make correct reads on outlet passes to the wings.
- Is an excellent offensive rebounder.
- Is an excellent free throw shooter.



International Player Profile: POWER FORWARD (4)

Defensively, an international Power Forward (4)...

- Can defend both back to the basket scorers and opposing posts that can score from the perimeter.
- Is quick on help and recover.
- Can defend 1 and half players on defence.
- Is a relentless defensive rebounder.
- Communicates well in the half court and directs teammates in screen situations.
- Does not allow opposing posts to establish position in the half court.
- Has the ability to change and block shots: rim protector.



International Player Profile: CENTRE (5)

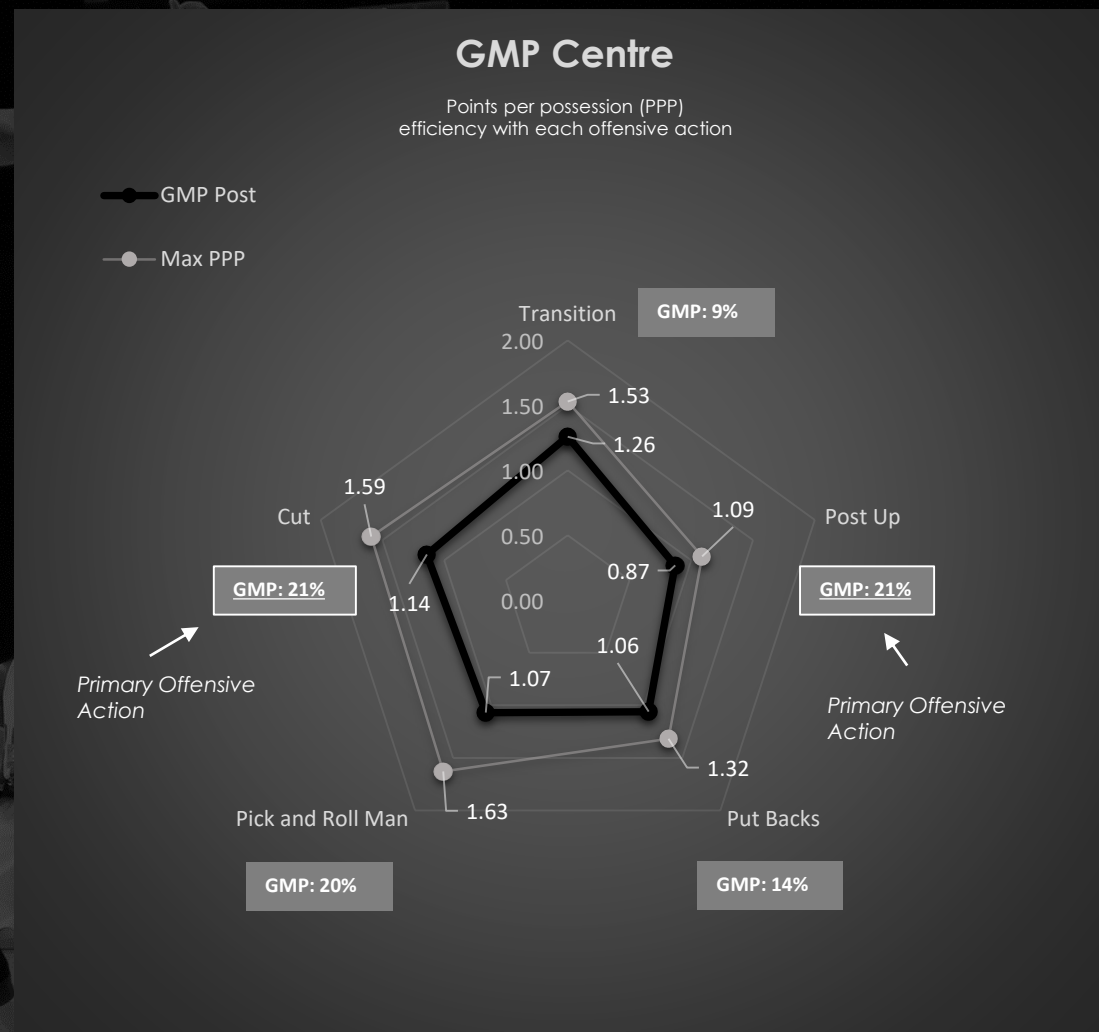
International Averages for a C (5):

7'0"

250 lbs

26 y/o

- Miroslav Raduljica – 7'0"
- DeAndre Jordan – 6'11"
- Luis Scola – 6'9"
- Rudy Gobert – 7'1"
- The 5 primary actions for GMP Centres are post up, cut, pick and roll man, put backs and transition.
- The highest usage actions for GMP Centres, as per the diagram, are post up and cut.
- A GMP Centre must also be able to effectively read the defence as the roll man in pick and roll.





International Player Profile: CENTRE (5)

Offensively, an international Centre (5)...

- Runs the floor well in transition and can beat opposing posts down the floor.
- Receives the ball well in transition and half court.
- Establishes post position early in the offence: 5 man is the first big sealing in the paint.
- Has the ability to score from the high, mid and low-post, making use of at least one go-to post move and one counter.
- Effectively passes the ball in transition and in the half court, specifically from the low-post and high-post.
- Plays into the low-post position, both attacking the basket and creating advantages for teammates.
- Must be able to make decisions out of the low-post.
- Is a physical presence that wears down opponents.
- Sets solid screens to free teammates for scoring opportunities.
- Needs to be able to roll hard to create an advantage for himself or his team.
- Makes correct reads on outlet passes to the wings.
- Is an excellent offensive rebounder.
- Is an excellent free throw shooter.



International Player Profile: CENTRE (5)

Defensively, an international Centre (5)...

- Can defend both back to the basket scorers and opposing posts that can score from the perimeter.
- Is quick on help and recover.
- Can defend 1 and half players on defence.
- Is a relentless defensive rebounder.
- Communicates well in the half court and directs teammates in screen situations.
- Does not allow opposing posts to establish position in the half court.
- Has the ability to change and block shots: rim protector.

Defensive Considerations



- As mentioned in the introduction, it is challenging to paint a comprehensive analytical picture of an individual player's defensive contributions.
- Some statistical metrics include:
 - Defensive Rating: number of points a player allowed per 100 possessions he individually faced while on the court.
 - Defensive rebound rate (DRB%)
 - Opponent FG%
 - Individual defensive efficiency: opponent's PPP while being covered by a particular player in the highest usage actions per position.


Tracking Points Per Possession and Offensive Actions



- It is possible to track the offensive efficiency of athletes, using a simple table. This can easily be done from the bench or on the sidelines of a game when watching a prospective athlete.
 - Once the data is gathered, it can be used to build a 5-point offensive efficiency diagram.
 - The following pages have a sample tracking sheet that can be used for each position.
- *It is important to ensure you have the correct sheet based on the athlete's position. Each position has a set of 5 actions, with different corresponding usage %'s for each action.
- Once you have filled out an offensive efficiency tracking sheet, please send it directly to the Men's High Performance team, and we will build an offensive efficiency diagram for that player.
 - You can email the sheet to Phil Jevtovic at pjevtovic@basketball.ca.

Tracking Offensive Efficiency from the Bench: **Point Guards (1)**




		Performance Evaluation: Point Guards (1)	
Athlete Name:	Athlete - School		
Date:	Date - Competition - Opponent		
Location:	Location		
ACTION (GMP Usg%)	Possessions	Points	Comments
PnR BH (36%)			
Spot up (18%)			
Transition (12%)			
Off Screen (11%)			
ISO (6%)			
Other Off			

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Tracking Offensive Efficiency from the Bench: **Shooting Guards (2)**




		Performance Evaluation: Shooting Guards (2)	
Athlete Name:	Athlete - School		
Date:	Date - Competition - Opponent		
Location:	Location		
ACTION (GMP Usg%)	Possessions	Points	Comments
Spot up (24%)			
Transition (21%)			
PnR BH (20%)			
Off Screen (9%)			
ISO (8%)			
Other Off			

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Tracking Offensive Efficiency from the Bench: **Small Forwards (3)**




		Performance Evaluation: Small Forwards (3)	
Athlete Name:	Athlete - School		
Date:	Date - Competition - Opponent		
Location:	Location		
ACTION (GMP Usg%)	Possessions	Points	Comments
Spot up (29%)			
Transition (16%)			
Post Up (10%)			
ISO (8%)			
PnR BH (7%)			
Other Off			

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Tracking Offensive Efficiency from the Bench: **Power Forwards (4)**




		Performance Evaluation: Power Forwards (4)	
Athlete Name:	Athlete - School		
Date:	Date - Competition - Opponent		
Location:	Location		
ACTION (GMP Usg%)	Possessions	Points	Comments
Spot up (25%)			
Post Up (16%)			
Transition (15%)			
PnR Man (10%)			
Cut (8%)			
Other Off			

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Tracking Offensive Efficiency from the Bench: **Centres (5)**



		Performance Evaluation: Centres (5)	
Athlete Name:	Athlete - School		
Date:	Date - Competition - Opponent		
Location:	Location		
ACTION (GMP Usg%)	Possessions	Points	Comments
Post up (21%)			
Cut (21%)			
PnR Man (20%)			
Put Backs (14%)			
Transition (9%)			
Other Off			

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